

Global Aluminum Heat Transfer Material for Liquid Cooling Plate Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G272FC99B78AEN.html>

Date: August 2026

Pages: 114

Price: US\$ 4,480.00 (Single User License)

ID: G272FC99B78AEN

Abstracts

The global Aluminum Heat Transfer Material for Liquid Cooling Plate market size is expected to reach \$ 6684 million by 2032, rising at a market growth of 14.5% CAGR during the forecast period (2026-2032).

Aluminum Heat Transfer Materials for Liquid Cooling Plates are core structural materials used in data center cold plate liquid cooling systems. They are primarily used to manufacture microchannel structures, thermal spreading substrates, and heat dissipation modules, enabling rapid heat transfer and temperature uniformity for CPUs, GPUs, and other high-power chips. The materials include 3xxx, 5xxx, 6xxx aluminum alloys and Al-Si thermal management alloys, mainly in the form of rolled sheets, extruded profiles, and brazing composite sheets. They are widely used in AI servers, high-performance computing systems, and high-density data center cooling architectures. Key upstream inputs include primary aluminum, alloying elements such as Mg, Si, and Mn, and rolling and extrusion equipment. Downstream customers include cold plate manufacturers, liquid cooling system integrators, and server OEMs. Based on ex-factory pricing, global output reached approximately 784,000 tons in 2025, with sales of about 746,000 tons, an average price of around USD 3,330 per ton, and an estimated industry gross margin of 18%-30%.

The global Aluminum Heat Transfer Material for Liquid Cooling Plate market is growing steadily, driven by the rapid expansion of AI computing infrastructure. As GPU and AI chip power consumption continues to increase, data centers are shifting from air cooling toward cold plate liquid cooling, significantly expanding the use of aluminum-based thermal materials in cooling structures. Compared with copper, aluminum offers advantages in cost, weight, and large-scale manufacturability, making it increasingly

important in rack-level and server-level cold plate applications, particularly in large-scale AI server deployments.

From a technology perspective, materials are evolving from conventional aluminum alloys toward high-strength and high-thermal-conductivity composite systems. Microchannel cold plate designs require tighter control of material uniformity, machining precision, and brazing performance, driving development in aluminum-silicon alloys and multilayer composite structures. At the same time, expanded cooling coverage increases requirements for corrosion resistance, long-term coolant compatibility, and lifecycle durability, encouraging advancements in surface treatment and coating technologies.

Demand is primarily driven by AI servers, HPC clusters, and hyperscale data centers. As liquid cooling expands from CPU-only coverage to GPUs, memory, and power modules, material consumption per system increases significantly. In addition, closer collaboration between server OEMs and liquid cooling system providers is shifting material demand from standard sheets toward customized structural components, raising technical barriers for suppliers.

The industry still faces challenges such as alloy consistency control, higher precision processing requirements, and extended validation cycles for compatibility with different cooling fluids. Future growth will depend on continued AI infrastructure expansion, increasing liquid cooling penetration, and ongoing substitution of copper with aluminum-based composite materials in high-power-density applications.

This report studies the global Aluminum Heat Transfer Material for Liquid Cooling Plate production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Aluminum Heat Transfer Material for Liquid Cooling Plate and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Aluminum Heat Transfer Material for Liquid Cooling Plate that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Aluminum Heat Transfer Material for Liquid Cooling Plate total production and demand, 2021-2032, (Kilotons)

Global Aluminum Heat Transfer Material for Liquid Cooling Plate total production value,

2021-2032, (USD Million)

Global Aluminum Heat Transfer Material for Liquid Cooling Plate production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

Global Aluminum Heat Transfer Material for Liquid Cooling Plate consumption by region & country, CAGR, 2021-2032 & (Kilotons)

U.S. VS China: Aluminum Heat Transfer Material for Liquid Cooling Plate domestic production, consumption, key domestic manufacturers and share

Global Aluminum Heat Transfer Material for Liquid Cooling Plate production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)

Global Aluminum Heat Transfer Material for Liquid Cooling Plate production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

Global Aluminum Heat Transfer Material for Liquid Cooling Plate production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Aluminum Heat Transfer Material for Liquid Cooling Plate market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Novelis, Hydro Aluminium, Constellium, Alcoa, Kaiser Aluminum, UACJ, Nippon Light Metal, Chalco, Nanshan Aluminum, Shandong Innovation Metal, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Aluminum Heat Transfer Material for Liquid Cooling Plate market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kilotons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Aluminum Heat Transfer Material for Liquid Cooling Plate Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Aluminum Heat Transfer Material for Liquid Cooling Plate Market, Segmentation by Type:

3xxx Series Aluminum Alloys

5xxx Series Aluminum Alloys

6xxx Series Aluminum Alloys

Other

Global Aluminum Heat Transfer Material for Liquid Cooling Plate Market, Segmentation by Product Form:

Rolled Aluminum Sheet

Extruded Aluminum Profiles

Brazing Aluminum Sheet

Other

Global Aluminum Heat Transfer Material for Liquid Cooling Plate Market, Segmentation by Thermal Function:

Thermal Spreading Materials

Microchannel Structural Materials

Heat Sink Base Materials

Other

Global Aluminum Heat Transfer Material for Liquid Cooling Plate Market, Segmentation by Application:

AI and Computing Infrastructure

Data Centers and Enterprise IT

Others

Companies Profiled:

Novelis

Hydro Aluminium

Constellium

Alcoa

Kaiser Aluminum

UACJ

Nippon Light Metal

Chalco

Nanshan Aluminum

Shandong Innovation Metal

Key Questions Answered:

1. How big is the global Aluminum Heat Transfer Material for Liquid Cooling Plate market?
2. What is the demand of the global Aluminum Heat Transfer Material for Liquid Cooling Plate market?
3. What is the year over year growth of the global Aluminum Heat Transfer Material for Liquid Cooling Plate market?
4. What is the production and production value of the global Aluminum Heat Transfer Material for Liquid Cooling Plate market?
5. Who are the key producers in the global Aluminum Heat Transfer Material for Liquid Cooling Plate market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

1.1 Aluminum Heat Transfer Material for Liquid Cooling Plate Introduction

1.2 World Aluminum Heat Transfer Material for Liquid Cooling Plate Supply & Forecast

1.2.1 World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value (2021 & 2025 & 2032)

1.2.2 World Aluminum Heat Transfer Material for Liquid Cooling Plate Production (2021-2032)

1.2.3 World Aluminum Heat Transfer Material for Liquid Cooling Plate Pricing Trends (2021-2032)

1.3 World Aluminum Heat Transfer Material for Liquid Cooling Plate Production by Region (Based on Production Site)

1.3.1 World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value by Region (2021-2032)

1.3.2 World Aluminum Heat Transfer Material for Liquid Cooling Plate Production by Region (2021-2032)

1.3.3 World Aluminum Heat Transfer Material for Liquid Cooling Plate Average Price by Region (2021-2032)

1.3.4 North America Aluminum Heat Transfer Material for Liquid Cooling Plate Production (2021-2032)

1.3.5 Europe Aluminum Heat Transfer Material for Liquid Cooling Plate Production (2021-2032)

1.3.6 China Aluminum Heat Transfer Material for Liquid Cooling Plate Production (2021-2032)

1.3.7 Japan Aluminum Heat Transfer Material for Liquid Cooling Plate Production (2021-2032)

1.4 Market Drivers, Restraints and Trends

1.4.1 Aluminum Heat Transfer Material for Liquid Cooling Plate Market Drivers

1.4.2 Factors Affecting Demand

1.4.3 Aluminum Heat Transfer Material for Liquid Cooling Plate Major Market Trends

2 DEMAND SUMMARY

2.1 World Aluminum Heat Transfer Material for Liquid Cooling Plate Demand (2021-2032)

2.2 World Aluminum Heat Transfer Material for Liquid Cooling Plate Consumption by Region

2.2.1 World Aluminum Heat Transfer Material for Liquid Cooling Plate Consumption by Region (2021-2026)

2.2.2 World Aluminum Heat Transfer Material for Liquid Cooling Plate Consumption Forecast by Region (2027-2032)

2.3 United States Aluminum Heat Transfer Material for Liquid Cooling Plate Consumption (2021-2032)

2.4 China Aluminum Heat Transfer Material for Liquid Cooling Plate Consumption (2021-2032)

2.5 Europe Aluminum Heat Transfer Material for Liquid Cooling Plate Consumption (2021-2032)

2.6 Japan Aluminum Heat Transfer Material for Liquid Cooling Plate Consumption (2021-2032)

2.7 South Korea Aluminum Heat Transfer Material for Liquid Cooling Plate Consumption (2021-2032)

2.8 ASEAN Aluminum Heat Transfer Material for Liquid Cooling Plate Consumption (2021-2032)

2.9 India Aluminum Heat Transfer Material for Liquid Cooling Plate Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value by Manufacturer (2021-2026)

3.2 World Aluminum Heat Transfer Material for Liquid Cooling Plate Production by Manufacturer (2021-2026)

3.3 World Aluminum Heat Transfer Material for Liquid Cooling Plate Average Price by Manufacturer (2021-2026)

3.4 Aluminum Heat Transfer Material for Liquid Cooling Plate Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Aluminum Heat Transfer Material for Liquid Cooling Plate Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Aluminum Heat Transfer Material for Liquid Cooling Plate in 2025

3.5.3 Global Concentration Ratios (CR8) for Aluminum Heat Transfer Material for Liquid Cooling Plate in 2025

3.6 Aluminum Heat Transfer Material for Liquid Cooling Plate Market: Overall Company Footprint Analysis

3.6.1 Aluminum Heat Transfer Material for Liquid Cooling Plate Market: Region

Footprint

3.6.2 Aluminum Heat Transfer Material for Liquid Cooling Plate Market: Company Product Type Footprint

3.6.3 Aluminum Heat Transfer Material for Liquid Cooling Plate Market: Company Product Application Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value Comparison

4.1.1 United States VS China: Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value Market Share Comparison (2021 & 2025 & 2032)

4.2 United States VS China: Aluminum Heat Transfer Material for Liquid Cooling Plate Production Comparison

4.2.1 United States VS China: Aluminum Heat Transfer Material for Liquid Cooling Plate Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Aluminum Heat Transfer Material for Liquid Cooling Plate Production Market Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: Aluminum Heat Transfer Material for Liquid Cooling Plate Consumption Comparison

4.3.1 United States VS China: Aluminum Heat Transfer Material for Liquid Cooling Plate Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Aluminum Heat Transfer Material for Liquid Cooling Plate Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Aluminum Heat Transfer Material for Liquid Cooling Plate Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Aluminum Heat Transfer Material for Liquid Cooling Plate Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value (2021-2026)

4.4.3 United States Based Manufacturers Aluminum Heat Transfer Material for Liquid

Cooling Plate Production (2021-2026)

4.5 China Based Aluminum Heat Transfer Material for Liquid Cooling Plate Manufacturers and Market Share

4.5.1 China Based Aluminum Heat Transfer Material for Liquid Cooling Plate Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value (2021-2026)

4.5.3 China Based Manufacturers Aluminum Heat Transfer Material for Liquid Cooling Plate Production (2021-2026)

4.6 Rest of World Based Aluminum Heat Transfer Material for Liquid Cooling Plate Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Aluminum Heat Transfer Material for Liquid Cooling Plate Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Aluminum Heat Transfer Material for Liquid Cooling Plate Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Aluminum Heat Transfer Material for Liquid Cooling Plate Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 3xxx Series Aluminum Alloys

5.2.2 5xxx Series Aluminum Alloys

5.2.3 6xxx Series Aluminum Alloys

5.2.4 Other

5.3 Market Segment by Type

5.3.1 World Aluminum Heat Transfer Material for Liquid Cooling Plate Production by Type (2021-2032)

5.3.2 World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value by Type (2021-2032)

5.3.3 World Aluminum Heat Transfer Material for Liquid Cooling Plate Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY PRODUCT FORM

6.1 World Aluminum Heat Transfer Material for Liquid Cooling Plate Market Size Overview by Product Form: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Product Form

- 6.2.1 Rolled Aluminum Sheet
- 6.2.2 Extruded Aluminum Profiles
- 6.2.3 Brazing Aluminum Sheet
- 6.2.4 Other

6.3 Market Segment by Product Form

- 6.3.1 World Aluminum Heat Transfer Material for Liquid Cooling Plate Production by Product Form (2021-2032)
- 6.3.2 World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value by Product Form (2021-2032)
- 6.3.3 World Aluminum Heat Transfer Material for Liquid Cooling Plate Average Price by Product Form (2021-2032)

7 MARKET ANALYSIS BY THERMAL FUNCTION

7.1 World Aluminum Heat Transfer Material for Liquid Cooling Plate Market Size Overview by Thermal Function: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Thermal Function

- 7.2.1 Thermal Spreading Materials
- 7.2.2 Microchannel Structural Materials
- 7.2.3 Heat Sink Base Materials
- 7.2.4 Other

7.3 Market Segment by Thermal Function

- 7.3.1 World Aluminum Heat Transfer Material for Liquid Cooling Plate Production by Thermal Function (2021-2032)
- 7.3.2 World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value by Thermal Function (2021-2032)
- 7.3.3 World Aluminum Heat Transfer Material for Liquid Cooling Plate Average Price by Thermal Function (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Aluminum Heat Transfer Material for Liquid Cooling Plate Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

- 8.2.1 AI and Computing Infrastructure
- 8.2.2 Data Centers and Enterprise IT
- 8.2.3 Others

8.3 Market Segment by Application

8.3.1 World Aluminum Heat Transfer Material for Liquid Cooling Plate Production by Application (2021-2032)

8.3.2 World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value by Application (2021-2032)

8.3.3 World Aluminum Heat Transfer Material for Liquid Cooling Plate Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 Novelis

9.1.1 Novelis Details

9.1.2 Novelis Major Business

9.1.3 Novelis Aluminum Heat Transfer Material for Liquid Cooling Plate Product and Services

9.1.4 Novelis Aluminum Heat Transfer Material for Liquid Cooling Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 Novelis Recent Developments/Updates

9.1.6 Novelis Competitive Strengths & Weaknesses

9.2 Hydro Aluminium

9.2.1 Hydro Aluminium Details

9.2.2 Hydro Aluminium Major Business

9.2.3 Hydro Aluminium Aluminum Heat Transfer Material for Liquid Cooling Plate Product and Services

9.2.4 Hydro Aluminium Aluminum Heat Transfer Material for Liquid Cooling Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.2.5 Hydro Aluminium Recent Developments/Updates

9.2.6 Hydro Aluminium Competitive Strengths & Weaknesses

9.3 Constellium

9.3.1 Constellium Details

9.3.2 Constellium Major Business

9.3.3 Constellium Aluminum Heat Transfer Material for Liquid Cooling Plate Product and Services

9.3.4 Constellium Aluminum Heat Transfer Material for Liquid Cooling Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.3.5 Constellium Recent Developments/Updates

9.3.6 Constellium Competitive Strengths & Weaknesses

9.4 Alcoa

9.4.1 Alcoa Details

9.4.2 Alcoa Major Business

9.4.3 Alcoa Aluminum Heat Transfer Material for Liquid Cooling Plate Product and Services

9.4.4 Alcoa Aluminum Heat Transfer Material for Liquid Cooling Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.4.5 Alcoa Recent Developments/Updates

9.4.6 Alcoa Competitive Strengths & Weaknesses

9.5 Kaiser Aluminum

9.5.1 Kaiser Aluminum Details

9.5.2 Kaiser Aluminum Major Business

9.5.3 Kaiser Aluminum Aluminum Heat Transfer Material for Liquid Cooling Plate Product and Services

9.5.4 Kaiser Aluminum Aluminum Heat Transfer Material for Liquid Cooling Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.5.5 Kaiser Aluminum Recent Developments/Updates

9.5.6 Kaiser Aluminum Competitive Strengths & Weaknesses

9.6 UACJ

9.6.1 UACJ Details

9.6.2 UACJ Major Business

9.6.3 UACJ Aluminum Heat Transfer Material for Liquid Cooling Plate Product and Services

9.6.4 UACJ Aluminum Heat Transfer Material for Liquid Cooling Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.6.5 UACJ Recent Developments/Updates

9.6.6 UACJ Competitive Strengths & Weaknesses

9.7 Nippon Light Metal

9.7.1 Nippon Light Metal Details

9.7.2 Nippon Light Metal Major Business

9.7.3 Nippon Light Metal Aluminum Heat Transfer Material for Liquid Cooling Plate Product and Services

9.7.4 Nippon Light Metal Aluminum Heat Transfer Material for Liquid Cooling Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.7.5 Nippon Light Metal Recent Developments/Updates

9.7.6 Nippon Light Metal Competitive Strengths & Weaknesses

9.8 Chalco

9.8.1 Chalco Details

9.8.2 Chalco Major Business

9.8.3 Chalco Aluminum Heat Transfer Material for Liquid Cooling Plate Product and Services

9.8.4 Chalco Aluminum Heat Transfer Material for Liquid Cooling Plate Production,

Price, Value, Gross Margin and Market Share (2021-2026)

9.8.5 Chalco Recent Developments/Updates

9.8.6 Chalco Competitive Strengths & Weaknesses

9.9 Nanshan Aluminum

9.9.1 Nanshan Aluminum Details

9.9.2 Nanshan Aluminum Major Business

9.9.3 Nanshan Aluminum Aluminum Heat Transfer Material for Liquid Cooling Plate Product and Services

9.9.4 Nanshan Aluminum Aluminum Heat Transfer Material for Liquid Cooling Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.9.5 Nanshan Aluminum Recent Developments/Updates

9.9.6 Nanshan Aluminum Competitive Strengths & Weaknesses

9.10 Shandong Innovation Metal

9.10.1 Shandong Innovation Metal Details

9.10.2 Shandong Innovation Metal Major Business

9.10.3 Shandong Innovation Metal Aluminum Heat Transfer Material for Liquid Cooling Plate Product and Services

9.10.4 Shandong Innovation Metal Aluminum Heat Transfer Material for Liquid Cooling Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.10.5 Shandong Innovation Metal Recent Developments/Updates

9.10.6 Shandong Innovation Metal Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

10.1 Aluminum Heat Transfer Material for Liquid Cooling Plate Industry Chain

10.2 Aluminum Heat Transfer Material for Liquid Cooling Plate Upstream Analysis

10.2.1 Aluminum Heat Transfer Material for Liquid Cooling Plate Core Raw Materials

10.2.2 Main Manufacturers of Aluminum Heat Transfer Material for Liquid Cooling Plate Core Raw Materials

10.3 Midstream Analysis

10.4 Downstream Analysis

10.5 Aluminum Heat Transfer Material for Liquid Cooling Plate Production Mode

10.6 Aluminum Heat Transfer Material for Liquid Cooling Plate Procurement Model

10.7 Aluminum Heat Transfer Material for Liquid Cooling Plate Industry Sales Model and Sales Channels

10.7.1 Aluminum Heat Transfer Material for Liquid Cooling Plate Sales Model

10.7.2 Aluminum Heat Transfer Material for Liquid Cooling Plate Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value by Region (2021-2026) & (USD Million)

Table 3. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value by Region (2027-2032) & (USD Million)

Table 4. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value Market Share by Region (2021-2026)

Table 5. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value Market Share by Region (2027-2032)

Table 6. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production by Region (2021-2026) & (Kilotons)

Table 7. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production by Region (2027-2032) & (Kilotons)

Table 8. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Market Share by Region (2021-2026)

Table 9. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Market Share by Region (2027-2032)

Table 10. World Aluminum Heat Transfer Material for Liquid Cooling Plate Average Price by Region (2021-2026) & (US\$/Ton)

Table 11. World Aluminum Heat Transfer Material for Liquid Cooling Plate Average Price by Region (2027-2032) & (US\$/Ton)

Table 12. Aluminum Heat Transfer Material for Liquid Cooling Plate Major Market Trends

Table 13. World Aluminum Heat Transfer Material for Liquid Cooling Plate Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Kilotons)

Table 14. World Aluminum Heat Transfer Material for Liquid Cooling Plate Consumption by Region (2021-2026) & (Kilotons)

Table 15. World Aluminum Heat Transfer Material for Liquid Cooling Plate Consumption Forecast by Region (2027-2032) & (Kilotons)

Table 16. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Aluminum Heat Transfer Material for Liquid Cooling Plate Producers in 2025

Table 18. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production

by Manufacturer (2021-2026) & (Kilotons)

Table 19. Production Market Share of Key Aluminum Heat Transfer Material for Liquid Cooling Plate Producers in 2025

Table 20. World Aluminum Heat Transfer Material for Liquid Cooling Plate Average Price by Manufacturer (2021-2026) & (US\$/Ton)

Table 21. Global Aluminum Heat Transfer Material for Liquid Cooling Plate Company Evaluation Quadrant

Table 22. World Aluminum Heat Transfer Material for Liquid Cooling Plate Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Aluminum Heat Transfer Material for Liquid Cooling Plate Production Site of Key Manufacturer

Table 24. Aluminum Heat Transfer Material for Liquid Cooling Plate Market: Company Product Type Footprint

Table 25. Aluminum Heat Transfer Material for Liquid Cooling Plate Market: Company Product Application Footprint

Table 26. Aluminum Heat Transfer Material for Liquid Cooling Plate Competitive Factors

Table 27. Aluminum Heat Transfer Material for Liquid Cooling Plate New Entrant and Capacity Expansion Plans

Table 28. Aluminum Heat Transfer Material for Liquid Cooling Plate Mergers & Acquisitions Activity

Table 29. United States VS China Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Aluminum Heat Transfer Material for Liquid Cooling Plate Production Comparison, (2021 & 2025 & 2032) & (Kilotons)

Table 31. United States VS China Aluminum Heat Transfer Material for Liquid Cooling Plate Consumption Comparison, (2021 & 2025 & 2032) & (Kilotons)

Table 32. United States Based Aluminum Heat Transfer Material for Liquid Cooling Plate Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Aluminum Heat Transfer Material for Liquid Cooling Plate Production (2021-2026) & (Kilotons)

Table 36. United States Based Manufacturers Aluminum Heat Transfer Material for Liquid Cooling Plate Production Market Share (2021-2026)

Table 37. China Based Aluminum Heat Transfer Material for Liquid Cooling Plate Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Aluminum Heat Transfer Material for Liquid

Cooling Plate Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Aluminum Heat Transfer Material for Liquid Cooling Plate Production, (2021-2026) & (Kilotons)

Table 41. China Based Manufacturers Aluminum Heat Transfer Material for Liquid Cooling Plate Production Market Share (2021-2026)

Table 42. Rest of World Based Aluminum Heat Transfer Material for Liquid Cooling Plate Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Aluminum Heat Transfer Material for Liquid Cooling Plate Production, (2021-2026) & (Kilotons)

Table 46. Rest of World Based Manufacturers Aluminum Heat Transfer Material for Liquid Cooling Plate Production Market Share (2021-2026)

Table 47. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production by Type (2021-2026) & (Kilotons)

Table 49. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production by Type (2027-2032) & (Kilotons)

Table 50. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value by Type (2021-2026) & (USD Million)

Table 51. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value by Type (2027-2032) & (USD Million)

Table 52. World Aluminum Heat Transfer Material for Liquid Cooling Plate Average Price by Type (2021-2026) & (US\$/Ton)

Table 53. World Aluminum Heat Transfer Material for Liquid Cooling Plate Average Price by Type (2027-2032) & (US\$/Ton)

Table 54. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value by Product Form, (USD Million), 2021 & 2025 & 2032

Table 55. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production by Product Form (2021-2026) & (Kilotons)

Table 56. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production by Product Form (2027-2032) & (Kilotons)

Table 57. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value by Product Form (2021-2026) & (USD Million)

Table 58. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value by Product Form (2027-2032) & (USD Million)

Table 59. World Aluminum Heat Transfer Material for Liquid Cooling Plate Average Price by Product Form (2021-2026) & (US\$/Ton)

Table 60. World Aluminum Heat Transfer Material for Liquid Cooling Plate Average Price by Product Form (2027-2032) & (US\$/Ton)

Table 61. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value by Thermal Function, (USD Million), 2021 & 2025 & 2032

Table 62. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production by Thermal Function (2021-2026) & (Kilotons)

Table 63. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production by Thermal Function (2027-2032) & (Kilotons)

Table 64. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value by Thermal Function (2021-2026) & (USD Million)

Table 65. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value by Thermal Function (2027-2032) & (USD Million)

Table 66. World Aluminum Heat Transfer Material for Liquid Cooling Plate Average Price by Thermal Function (2021-2026) & (US\$/Ton)

Table 67. World Aluminum Heat Transfer Material for Liquid Cooling Plate Average Price by Thermal Function (2027-2032) & (US\$/Ton)

Table 68. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production by Application (2021-2026) & (Kilotons)

Table 70. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production by Application (2027-2032) & (Kilotons)

Table 71. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value by Application (2021-2026) & (USD Million)

Table 72. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value by Application (2027-2032) & (USD Million)

Table 73. World Aluminum Heat Transfer Material for Liquid Cooling Plate Average Price by Application (2021-2026) & (US\$/Ton)

Table 74. World Aluminum Heat Transfer Material for Liquid Cooling Plate Average Price by Application (2027-2032) & (US\$/Ton)

Table 75. Novelis Basic Information, Manufacturing Base and Competitors

Table 76. Novelis Major Business

Table 77. Novelis Aluminum Heat Transfer Material for Liquid Cooling Plate Product and Services

Table 78. Novelis Aluminum Heat Transfer Material for Liquid Cooling Plate Production

(Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Novelis Recent Developments/Updates

Table 80. Novelis Competitive Strengths & Weaknesses

Table 81. Hydro Aluminium Basic Information, Manufacturing Base and Competitors

Table 82. Hydro Aluminium Major Business

Table 83. Hydro Aluminium Aluminum Heat Transfer Material for Liquid Cooling Plate Product and Services

Table 84. Hydro Aluminium Aluminum Heat Transfer Material for Liquid Cooling Plate Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Hydro Aluminium Recent Developments/Updates

Table 86. Hydro Aluminium Competitive Strengths & Weaknesses

Table 87. Constellium Basic Information, Manufacturing Base and Competitors

Table 88. Constellium Major Business

Table 89. Constellium Aluminum Heat Transfer Material for Liquid Cooling Plate Product and Services

Table 90. Constellium Aluminum Heat Transfer Material for Liquid Cooling Plate Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. Constellium Recent Developments/Updates

Table 92. Constellium Competitive Strengths & Weaknesses

Table 93. Alcoa Basic Information, Manufacturing Base and Competitors

Table 94. Alcoa Major Business

Table 95. Alcoa Aluminum Heat Transfer Material for Liquid Cooling Plate Product and Services

Table 96. Alcoa Aluminum Heat Transfer Material for Liquid Cooling Plate Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. Alcoa Recent Developments/Updates

Table 98. Alcoa Competitive Strengths & Weaknesses

Table 99. Kaiser Aluminum Basic Information, Manufacturing Base and Competitors

Table 100. Kaiser Aluminum Major Business

Table 101. Kaiser Aluminum Aluminum Heat Transfer Material for Liquid Cooling Plate Product and Services

Table 102. Kaiser Aluminum Aluminum Heat Transfer Material for Liquid Cooling Plate Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. Kaiser Aluminum Recent Developments/Updates

Table 104. Kaiser Aluminum Competitive Strengths & Weaknesses
Table 105. UACJ Basic Information, Manufacturing Base and Competitors
Table 106. UACJ Major Business
Table 107. UACJ Aluminum Heat Transfer Material for Liquid Cooling Plate Product and Services
Table 108. UACJ Aluminum Heat Transfer Material for Liquid Cooling Plate Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 109. UACJ Recent Developments/Updates
Table 110. UACJ Competitive Strengths & Weaknesses
Table 111. Nippon Light Metal Basic Information, Manufacturing Base and Competitors
Table 112. Nippon Light Metal Major Business
Table 113. Nippon Light Metal Aluminum Heat Transfer Material for Liquid Cooling Plate Product and Services
Table 114. Nippon Light Metal Aluminum Heat Transfer Material for Liquid Cooling Plate Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 115. Nippon Light Metal Recent Developments/Updates
Table 116. Nippon Light Metal Competitive Strengths & Weaknesses
Table 117. Chalco Basic Information, Manufacturing Base and Competitors
Table 118. Chalco Major Business
Table 119. Chalco Aluminum Heat Transfer Material for Liquid Cooling Plate Product and Services
Table 120. Chalco Aluminum Heat Transfer Material for Liquid Cooling Plate Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 121. Chalco Recent Developments/Updates
Table 122. Chalco Competitive Strengths & Weaknesses
Table 123. Nanshan Aluminum Basic Information, Manufacturing Base and Competitors
Table 124. Nanshan Aluminum Major Business
Table 125. Nanshan Aluminum Aluminum Heat Transfer Material for Liquid Cooling Plate Product and Services
Table 126. Nanshan Aluminum Aluminum Heat Transfer Material for Liquid Cooling Plate Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 127. Nanshan Aluminum Recent Developments/Updates
Table 128. Nanshan Aluminum Competitive Strengths & Weaknesses
Table 129. Shandong Innovation Metal Basic Information, Manufacturing Base and Competitors

Table 130. Shandong Innovation Metal Major Business

Table 131. Shandong Innovation Metal Aluminum Heat Transfer Material for Liquid Cooling Plate Product and Services

Table 132. Shandong Innovation Metal Aluminum Heat Transfer Material for Liquid Cooling Plate Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. Shandong Innovation Metal Recent Developments/Updates

Table 134. Shandong Innovation Metal Competitive Strengths & Weaknesses

Table 135. Global Key Players of Aluminum Heat Transfer Material for Liquid Cooling Plate Upstream (Raw Materials)

Table 136. Global Aluminum Heat Transfer Material for Liquid Cooling Plate Typical Customers

Table 137. Aluminum Heat Transfer Material for Liquid Cooling Plate Typical Distributors

List Of Figures

LIST OF FIGURES

- Figure 1. Aluminum Heat Transfer Material for Liquid Cooling Plate Picture
- Figure 2. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value: 2021 & 2025 & 2032, (USD Million)
- Figure 3. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value and Forecast (2021-2032) & (USD Million)
- Figure 4. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production (2021-2032) & (Kilotons)
- Figure 5. World Aluminum Heat Transfer Material for Liquid Cooling Plate Average Price (2021-2032) & (US\$/Ton)
- Figure 6. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value Market Share by Region (2021-2032)
- Figure 7. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Market Share by Region (2021-2032)
- Figure 8. North America Aluminum Heat Transfer Material for Liquid Cooling Plate Production (2021-2032) & (Kilotons)
- Figure 9. Europe Aluminum Heat Transfer Material for Liquid Cooling Plate Production (2021-2032) & (Kilotons)
- Figure 10. China Aluminum Heat Transfer Material for Liquid Cooling Plate Production (2021-2032) & (Kilotons)
- Figure 11. Japan Aluminum Heat Transfer Material for Liquid Cooling Plate Production (2021-2032) & (Kilotons)
- Figure 12. Aluminum Heat Transfer Material for Liquid Cooling Plate Market Drivers
- Figure 13. Factors Affecting Demand
- Figure 14. World Aluminum Heat Transfer Material for Liquid Cooling Plate Consumption (2021-2032) & (Kilotons)
- Figure 15. World Aluminum Heat Transfer Material for Liquid Cooling Plate Consumption Market Share by Region (2021-2032)
- Figure 16. United States Aluminum Heat Transfer Material for Liquid Cooling Plate Consumption (2021-2032) & (Kilotons)
- Figure 17. China Aluminum Heat Transfer Material for Liquid Cooling Plate Consumption (2021-2032) & (Kilotons)
- Figure 18. Europe Aluminum Heat Transfer Material for Liquid Cooling Plate Consumption (2021-2032) & (Kilotons)
- Figure 19. Japan Aluminum Heat Transfer Material for Liquid Cooling Plate Consumption (2021-2032) & (Kilotons)

Figure 20. South Korea Aluminum Heat Transfer Material for Liquid Cooling Plate Consumption (2021-2032) & (Kilotons)

Figure 21. ASEAN Aluminum Heat Transfer Material for Liquid Cooling Plate Consumption (2021-2032) & (Kilotons)

Figure 22. India Aluminum Heat Transfer Material for Liquid Cooling Plate Consumption (2021-2032) & (Kilotons)

Figure 23. Producer Shipments of Aluminum Heat Transfer Material for Liquid Cooling Plate by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Aluminum Heat Transfer Material for Liquid Cooling Plate Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Aluminum Heat Transfer Material for Liquid Cooling Plate Markets in 2025

Figure 26. United States VS China: Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Aluminum Heat Transfer Material for Liquid Cooling Plate Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Aluminum Heat Transfer Material for Liquid Cooling Plate Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Aluminum Heat Transfer Material for Liquid Cooling Plate Production Market Share 2025

Figure 30. China Based Manufacturers Aluminum Heat Transfer Material for Liquid Cooling Plate Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Aluminum Heat Transfer Material for Liquid Cooling Plate Production Market Share 2025

Figure 32. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value Market Share by Type in 2025

Figure 34. 3xxx Series Aluminum Alloys

Figure 35. 5xxx Series Aluminum Alloys

Figure 36. 6xxx Series Aluminum Alloys

Figure 37. Other

Figure 38. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Market Share by Type (2021-2032)

Figure 39. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production Value Market Share by Type (2021-2032)

Figure 40. World Aluminum Heat Transfer Material for Liquid Cooling Plate Average Price by Type (2021-2032) & (US\$/Ton)

Figure 41. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production

Value by Product Form, (USD Million), 2021 & 2025 & 2032

Figure 42. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production

Value Market Share by Product Form in 2025

Figure 43. Rolled Aluminum Sheet

Figure 44. Extruded Aluminum Profiles

Figure 45. Brazing Aluminum Sheet

Figure 46. Other

Figure 47. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production

Market Share by Product Form (2021-2032)

Figure 48. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production

Value Market Share by Product Form (2021-2032)

Figure 49. World Aluminum Heat Transfer Material for Liquid Cooling Plate Average
Price by Product Form (2021-2032) & (US\$/Ton)

Figure 50. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production

Value by Thermal Function, (USD Million), 2021 & 2025 & 2032

Figure 51. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production

Value Market Share by Thermal Function in 2025

Figure 52. Thermal Spreading Materials

Figure 53. Microchannel Structural Materials

Figure 54. Heat Sink Base Materials

Figure 55. Other

Figure 56. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production

Market Share by Thermal Function (2021-2032)

Figure 57. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production

Value Market Share by Thermal Function (2021-2032)

Figure 58. World Aluminum Heat Transfer Material for Liquid Cooling Plate Average
Price by Thermal Function (2021-2032) & (US\$/Ton)

Figure 59. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production

Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 60. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production

Value Market Share by Application in 2025

Figure 61. AI and Computing Infrastructure

Figure 62. Data Centers and Enterprise IT

Figure 63. Others

Figure 64. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production

Market Share by Application (2021-2032)

Figure 65. World Aluminum Heat Transfer Material for Liquid Cooling Plate Production

Value Market Share by Application (2021-2032)

Figure 66. World Aluminum Heat Transfer Material for Liquid Cooling Plate Average

Price by Application (2021-2032) & (US\$/Ton)

Figure 67. Aluminum Heat Transfer Material for Liquid Cooling Plate Industry Chain

Figure 68. Aluminum Heat Transfer Material for Liquid Cooling Plate Procurement Model

Figure 69. Aluminum Heat Transfer Material for Liquid Cooling Plate Sales Model

Figure 70. Aluminum Heat Transfer Material for Liquid Cooling Plate Sales Channels, Direct Sales, and Distribution

Figure 71. Methodology

Figure 72. Research Process and Data Source

I would like to order

Product name: Global Aluminum Heat Transfer Material for Liquid Cooling Plate Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G272FC99B78AEN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G272FC99B78AEN.html>