

# Global Data Center FEP Resin Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Data Center FEP Resin market size is expected to reach \$ 774 million by 2032, rising at a market growth of 6.6% CAGR during the forecast period (2026-2032).

Data Center FEP Resin refers to fluorinated ethylene propylene resin used in high-speed data transmission cables, server wire harnesses, connector insulation, coaxial cables, backplane interconnects, and other electronic insulation components in data centers. FEP offers excellent high-temperature resistance, low dielectric constant, low dielectric loss, chemical resistance, and flame-retardant performance, making it suitable for 400G, 800G, and higher-speed DACs, AECs, internal server cables, and high-frequency signal transmission components. It helps reduce signal attenuation, improve transmission stability, and meet the requirements of high-density data centers for low-loss, high-reliability, and safety-critical materials. In 2025, global Data Center FEP Resin production reached approximately 43 k tons, with an average global market price of around US\$11300 per ton. The production capacity for Data Center FEP Resin in 2025 was approximately 45 k tons. The typical gross profit margin for Data Center FEP Resin between 20% and 40%.

The Data Center FEP Resin market is mainly driven by AI servers, high-speed switches, 400G/800G/1.6T interconnects, cloud computing infrastructure, and high-density data center construction. As DACs, AECs, QSFP-DD, OSFP, and internal server cables require lower dielectric loss, better heat resistance, and stronger flame-retardant performance, FEP is increasingly used in insulation and jacket materials for high-end data communication cables. Market growth is mainly supported by AI data centers and high-speed network upgrades, while high FEP prices, tightening PFAS regulations, competition from alternative materials, and concentrated supply of high-end fluoropolymers remain key restraints.

This report studies the global Data Center FEP Resin production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Data Center FEP Resin 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 Data Center FEP Resin that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Data Center FEP Resin total production and demand, 2021-2032, (Kilotons)

Global Data Center FEP Resin total production value, 2021-2032, (USD Million)

Global Data Center FEP Resin production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

Global Data Center FEP Resin consumption by region & country, CAGR, 2021-2032 & (Kilotons)

U.S. VS China: Data Center FEP Resin domestic production, consumption, key domestic manufacturers and share

Global Data Center FEP Resin production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)

Global Data Center FEP Resin production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

Global Data Center FEP Resin production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Data Center FEP Resin 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 Chemours, Daikin, Celanese, AGC, Luxi Chemical Group, Dongyue Fluorosilicone Science and Technology, Zhejiang Juhua, Zhejiang Yonghe Refrigerant, Chongqing Jianfeng Industrial Group, Haohua Chemical Science & Technology, 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 Data Center FEP Resin 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 Data Center FEP Resin Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### Global Data Center FEP Resin Market, Segmentation by Type:

Extrusion Grade FEP

Injection Molding Grade FEP

Others

### Global Data Center FEP Resin Market, Segmentation by MFR/MFI:

Low Melt Flow Index FEP

Medium Melt Flow Index FEP

High Melt Flow Index FEP

Global Data Center FEP Resin Market, Segmentation by Application:

Cloud Data Centers

AI Data Centers / AI Servers

High-Performance Computing (HPC)

Enterprise Data Centers

Others

Companies Profiled:

Chemours

Daikin

Celanese

AGC

Luxi Chemical Group

Dongyue Fluorosilicone Science and Technology

Zhejiang Juhua

Zhejiang Yonghe Refrigerant

Chongqing Jianfeng Industrial Group

## Haohua Chemical Science & Technology

### Key Questions Answered:

1. How big is the global Data Center FEP Resin market?
2. What is the demand of the global Data Center FEP Resin market?
3. What is the year over year growth of the global Data Center FEP Resin market?
4. What is the production and production value of the global Data Center FEP Resin market?
5. Who are the key producers in the global Data Center FEP Resin market?
6. What are the growth factors driving the market demand?

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