

# Global Thermal Release Sheet Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Thermal Release Sheet market size was valued at US\$ 955 million in 2025 and is forecast to a readjusted size of US\$ 1651 million by 2032 with a CAGR of 8.1% during review period.

A Thermal Release Sheet is a functional polymer-based sheet or film coated with a heat-activated release layer that maintains strong adhesion at room temperature but rapidly loses tack when heated to a specific trigger temperature (typically 80–120 °C), enabling clean, residue-free separation of bonded components; it is widely used in semiconductor packaging, display panel manufacturing, flexible electronics, and precision lamination processes for temporary fixation and protection. The supply chain begins upstream with specialty polymers (polyolefins, polyesters, polyimide), heat-responsive release resins, silicone- or acrylic-based adhesives, and functional additives, followed by midstream activities including resin formulation, coating and lamination onto carrier films, curing, slitting, and precision converting into sheets or rolls; downstream, thermal release sheets are supplied to OEMs and EMS providers in semiconductor, OLED/LCD display, PCB, and electronic component manufacturing, where they are integrated into wafer handling, panel debonding, and high-precision assembly workflows before final electronic products reach end markets. In 2025, the global Thermal Release Sheet market produced approximately 82 million square meters against an installed worldwide production capacity of about 105 million square meters per year, achieving an average unit price in the range of USD 9–17 per square meter while maintaining an overall gross margin of around 39%.

This report is a detailed and comprehensive analysis for global Thermal Release Sheet market. Both quantitative and qualitative analyses are presented by manufacturers, by

region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global Thermal Release Sheet market size and forecasts, in consumption value (\$ Million), sales quantity (K Sqm), and average selling prices (US\$/Sq m), 2021-2032

Global Thermal Release Sheet market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Sqm), and average selling prices (US\$/Sq m), 2021-2032

Global Thermal Release Sheet market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Sqm), and average selling prices (US\$/Sq m), 2021-2032

Global Thermal Release Sheet market shares of main players, shipments in revenue (\$ Million), sales quantity (K Sqm), and ASP (US\$/Sq m), 2021-2026

### **The Primary Objectives in This Report Are:**

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Thermal Release Sheet
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Thermal Release Sheet market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Nitto Denko (Japan), Mitsui Chemicals (Japan), Henkel (Germany), Tesa (Germany), Avery Dennison (USA), Scapa Group (UK), Berry Global (USA), Sekisui (Japan), Kolon (South Korea), Mactac (USA), etc.

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

## **Market Segmentation**

Thermal Release Sheet market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### **Market segment by Type**

PET Based Sheet

Polyolefin Based Sheet

Polyimide Based Sheet

### **Market segment by Release Temperature**

Low Temperature Release (60–80°C)

Standard Temperature Release (80–120°C)

High Temperature Release (>120°C)

### **Market segment by Application**

Semiconductor Manufacturing

PCB Manufacturing

Electronic Assembly

Display Panel Manufacturing

Others

## Major players covered

Nitto Denko (Japan)

Mitsui Chemicals (Japan)

Henkel (Germany)

Tesa (Germany)

Avery Dennison (USA)

Scapa Group (UK)

Berry Global (USA)

Sekisui (Japan)

Kolon (South Korea)

Mactac (USA)

Suzhou Hi-Tech Tape (China)

Taizhou Sunano Energy (China)

Xinst Technology (China)

Shenzhen KHJ Materials (China)

Taiwan Gilliontec (Taiwan)

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East)

& Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe Thermal Release Sheet product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Thermal Release Sheet, with price, sales quantity, revenue, and global market share of Thermal Release Sheet from 2021 to 2026.

Chapter 3, the Thermal Release Sheet competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Thermal Release Sheet breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Thermal Release Sheet market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Thermal Release Sheet.

Chapter 14 and 15, to describe Thermal Release Sheet sales channel, distributors, customers, research findings and conclusion.

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