

Global Liquid Molded Underfill Materials for HBM MR-MUF Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Liquid Molded Underfill Materials for HBM MR-MUF market size is expected to reach \$ 166 million by 2032, rising at a market growth of 12.6% CAGR during the forecast period (2026-2032).

In 2025, the global sales volume of MR-MUF liquid molding underfill materials for HBM applications is projected to be approximately 38 tons, with an average price of approximately \$1800 per kilogram.

MR-MUF liquid molding underfill materials for HBM are low-stress, high-flow epoxy/resin composites designed for stacked packaging in High Bandwidth Memory (HBM) modules. Utilizing a molding process, these materials fill the minute gaps within chip stacks to provide protection, thereby mitigating the risks of warpage, voids, thermal stress, and reliability failures. They are specifically tailored to facilitate high-yield manufacturing for AI accelerators, GPUs, and high-end server memory packaging. The upstream supply chain primarily consists of epoxy resins, curing agents, spherical silica fillers, low-ionic-impurity additives, and precision dispersion equipment; the downstream market is predominantly comprised of HBM and 3D DRAM manufacturers, advanced packaging facilities, and the AI ??chip supply chain.

This report studies the global Liquid Molded Underfill Materials for HBM MR-MUF production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Liquid Molded Underfill Materials for HBM MR-MUF 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 Liquid

Molded Underfill Materials for HBM MR-MUF that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Liquid Molded Underfill Materials for HBM MR-MUF total production and demand, 2021-2032, (Tons)

Global Liquid Molded Underfill Materials for HBM MR-MUF total production value, 2021-2032, (USD Million)

Global Liquid Molded Underfill Materials for HBM MR-MUF production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Liquid Molded Underfill Materials for HBM MR-MUF consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Liquid Molded Underfill Materials for HBM MR-MUF domestic production, consumption, key domestic manufacturers and share

Global Liquid Molded Underfill Materials for HBM MR-MUF production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Liquid Molded Underfill Materials for HBM MR-MUF production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Liquid Molded Underfill Materials for HBM MR-MUF production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Liquid Molded Underfill Materials for HBM MR-MUF 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 NAMICS Corporation (JP), Henkel (DE), Shin-Etsu Chemical (JP), Resonac (JP), Sumitomo Bakelite (JP), Panasonic Industry (JP), Dow (US), H.B. Fuller (US), Kangda New Materials (CN), MacDermid Alpha Electronics Solutions (US), 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 Liquid Molded Underfill Materials for HBM MR-MUF market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$

Millions), volume (production, consumption) & (Tons) and average price (US\$/kg) 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 Liquid Molded Underfill Materials for HBM MR-MUF Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Liquid Molded Underfill Materials for HBM MR-MUF Market, Segmentation by Type:

Liquid Compression Molded Underfill

Capillary Underfill for Stacked Die

Film-assisted Molded Underfill

Thermally Conductive Molded Underfill

Global Liquid Molded Underfill Materials for HBM MR-MUF Market, Segmentation by Particle Size:

Filler Particle D50 ? 1 ?m

Filler Particle D50 1-3 ?m

Filler Particle D50 ?3?m

Global Liquid Molded Underfill Materials for HBM MR-MUF Market, Segmentation by Functional Category:

Low Warpage Grade

High Thermal Conductivity Grade

Low Ionic Contamination Grade

Fast Cure Grade

Global Liquid Molded Underfill Materials for HBM MR-MUF Market, Segmentation by Application:

HBM3E and HBM4 Packaging

AI GPU and Accelerator Packaging

2.5D/3D Advanced Packaging

High-end Server Memory Modules

Companies Profiled:

NAMICS Corporation (JP)

Henkel (DE)

Shin-Etsu Chemical (JP)

Resonac (JP)

Sumitomo Bakelite (JP)

Panasonic Industry (JP)

Dow (US)

H.B. Fuller (US)

Kangda New Materials (CN)

MacDermid Alpha Electronics Solutions (US)

Parker LORD (US)

Jiangsu HHCK Advanced Materials (CN)

Huitian New Material (CN)

Key Questions Answered:

1. How big is the global Liquid Molded Underfill Materials for HBM MR-MUF market?
2. What is the demand of the global Liquid Molded Underfill Materials for HBM MR-MUF market?
3. What is the year over year growth of the global Liquid Molded Underfill Materials for HBM MR-MUF market?
4. What is the production and production value of the global Liquid Molded Underfill Materials for HBM MR-MUF market?
5. Who are the key producers in the global Liquid Molded Underfill Materials for HBM MR-MUF market?
6. What are the growth factors driving the market demand?

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