

InvisiSil* IVSD3208 Silicone DAM

Description

InvisiSil* IVSD3208 Silicone DAM is a one-component, high viscosity, heat curable white silicone that may be considered for use as a dam of multichip LED modules (Chip On Board). This product cures quickly with heat and adheres well to a variety of substrates without the use of a primer.

Key Features and Typical Benefits

- Ready to use: one component and supplied by syringe
- High viscosity, thixotropic consistency
- Excellent adhesive properties: primerless adhesion to many types of substrates
- Non-corrosive to most metals

Typical Physical Properties

Uncured Properties		
Appearance		White, Paste
Viscosity (23°C)	Pas•s	670
Cured Properties (1h @ 150°C)		
Appearance		White, rubber-like
Density (23°C)	g/cm ³	1.08
Hardness (Type A)		53
Tensile Strength	MPa	4.4
Elongation	%	390
Adhesive Strength ⁽¹⁾	MPa	3.4
Volume resistivity	Ω•cm	1.0x10 ¹⁵

⁽¹⁾Aluminum lap shear

Typical properties are average data and are not to be used as or to develop specifications

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Potential Applications

InvisiSil IVSD3208 Silicone DAM is an excellent candidate to consider for use in the following applications:

- LED Package Chip On Board (COB) LED
- Industrial application Sealing and adhesive between plastics and metals/ceramics in various parts

General Considerations for Use

All parts should be as clean and dry as possible prior to applications. Materials such as water, sulfur, nitrogen compounds, organic metallic salts, phosphorus compounds, etc. contained in the surface of the substrate can inhibit curing. It is recommended that a preliminary test is performed to determine the compatibility.

Packaging Types

InvisiSil IVSD3208 Silicone DAM is currently available in 30g syringe

Patent Status

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Product Safety, Handling and Storage

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at www.momentive.com or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order

Center. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

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For literature and technical assistance, visit our website at: www.momentive.com

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