

TECH DATA SHEET

BMI-2560



10080 Willow Creek Road
San Diego, CA 92131
858-348-1122
www.designermoleculesinc.com

DESCRIPTION

BMI-2560 has been designed to extend the range of applications suitable for use with the Designer Molecules, Inc. imide extended bismaleimide oligomers to those in need of higher Tg and modulus. The material has excellent low pH hydrolytic resistance and thermal stability. As an additive it can improve rheological properties by increasing the thixotropic properties of a liquid monomer composition. This feature in turn can help to reduce resin bleed out on a variety of surfaces. It is soluble in most aromatic and aliphatic solvents such as toluene, xylene, NMP, etc. It can be processed in a resin system as a solid or dissolved in a solvent.

HIGHLIGHTS

• Toughener	• Superior thermal stability
• Hydrophobic	

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	METHOD	RESULT
Appearance at Room Temperature	Visual	Light yellow glassy powder
Functionality		2
Glass Transition Temperature	TMA / DMA	101°C / 120°C
CTE α_1	TMA	100 ppm/°C
Dielectric Constant (Dk)	Cavity Perturbation Method @ 20GHz	2.5
Dissipation Factor (Df)		0.0016
Modulus @ 25°C	DMA Tensile Mode	800 MPa
Weight Loss @ 300°C	TGA	< 0.2%
Decomposition Temperature	TGA	> 430°C
Continuous Operating Temperature (approximate)		< 180°C
Recommended Storage Temp		25°C or below

Data is for reference only and may vary depending on testing method used.

RECOMMENDED FORMULATION AND USE:

BMI-2560 is recommended for use as an additive to increase flexibility, hydrophobicity and thixotropy. When used as a base resin, it can produce films that are tough, flexible and demonstrate good peel strength. Adhesion to metals can be enhanced via coupling agents.

CONTACT:

REQUEST A SAMPLE OR PLACE AN ORDER

Customer Support

☎ 858-348-1122

✉ support@designermoleculesinc.com

REF: DMI Part Number: R1354

• 10080 Willow Creek Road • San Diego, CA 92131 • Tel: (858) 348-1122 • Fax: (858) 348-1123 •

• www.designermoleculesinc.com •

12/28/20 Rev. C