TECH DATA SHEET BMI-3000 Solution $\int_{0}^{1} \int_{0}^{1} \int_{0}^{1}$

DESCRIPTION

Where n = 1 to 10

BMI-3000 Solution is a bismaleimide oligomer that exhibits excellent flexibility and, on cure, forms very tough, hydrophobic polyimides. BMI-3000 Solution has been prepared in toluene solvent to reduce price and increase the ease of use for the customer. 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.

HIGHLIGHTS

• Toughener	Excellent dielectric properties
Hydrophobic	Superior thermal stability

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

METHOD	RESULT
Visual	Light yellow powder
	2
Variable	Approx. 50 wt.%
ТМА	37 °C; > 100 ppm/°C
DMA	211 MPa
Cavity Perturbation Method @ 20 GHz	2.4
	0.0017
TGA	436°C
Instron	125%
23ºC/24 hr. immersion	0.28%
	< 180 °C
	25 °C or below
	Visual Variable TMA DMA Cavity Perturbation Method @ 20 GHz TGA Instron

Data is for reference only and may vary depending on testing method used. The structure shown above is an idealized representation of a statistical distribution.

RECOMMENDED FORMULATION USE:

BMI-3000 Solution is recommended for use as an additive to increase flexibility, hydrophobicity and thixotropy. It has excellent adhesion to a variety of organic substrates and adhesion to metals can be enhanced via coupling agents. When used as a base resin, it can produce films that are tough, flexible and demonstrate good peel strength.

CONTACT:

REQUEST A SAMPLE OR PLACE AN ORDER

Customer Support support@designermoleculesinc.com

REF: DMI Part Number: R1288S

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