DESIGNER
MOLECULES INC.

TECHNICAL BULLETIN

PRODUCT: POLYSET™ 9000

POLYSET™ 9000 is a solid high molecular weight bismaleimide resin. At ambient temperature, POLYSET™ 9000 behaves like a thermoplastic. However, at temperatures in excess of 100° C (in the presence of a suitable free radical catalyst) thermoset cure occurs. POLYSET™ 9000 exhibits excellent low shrinkage properties, high hydrolytic stability, and high thermal stability (TGA decomposition onset is greater than 400° C).

POLYSET™ 9000 is recommended for adhesive applications and can be used as an additive to promote adhesion to difficult substrates such as polyolefins, ceramics, aluminum, and other metals. POLYSET™ 9000 is incompatible with ketones. It can be dissolved in aromatic solvents and, under heat (80° C), it will dissolve into reactive diluents such as isobornyl methacrylate.

PHYSICAL PROPERTIES:

Appearance	Light golden brown powder
Density (g/cm^3)	1.1950 ± 0.0025
Weight loss (TGA @ 300°C)	< 1.0%
Molecular weight (avg.)	>5000 g/mol.
Weight Solids	>99.9%

For further information, please direct your inquiries to:

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