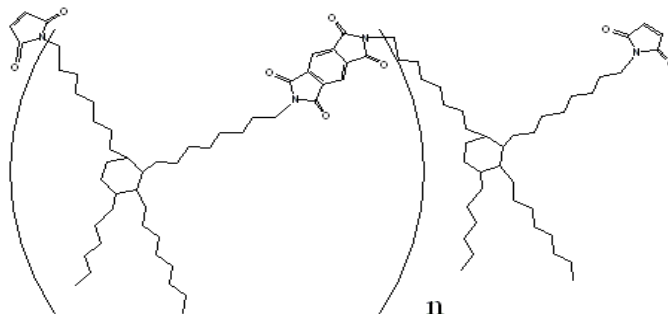


# TECH DATA SHEET

## BMI-9000



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

Where n = 1 to 10

## DESCRIPTION

BMI-9000 is an imide-extended bismaleimide oligomer that exhibits toughness in the cured state with a relatively low cross link-density. It is soluble in aromatic solvents. In its neat state it is an amber, waxy solid at room temperature and can be cast as a hot melt or from solution to form pliable, non-tacky films. This maleimide functional oligomer can be cured thermally, via UV irradiation, or in the presence of free-radical initiators to form a tough thermoset. BMI-9000 is supplied as a 50% solids solution in toluene. The material can be supplied as a solid or in alternative solvents.

## HIGHLIGHTS

• Low cross-link density	• Maleimide functional oligomer
• Non-tacky	• Cures to a tough thermoset
• Film-forming	• Additive to enhance toughness in thermoset compositions

## TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	METHOD	RESULT
Appearance at Room Temperature	Visual	Dark brown liquid (50% solution in toluene)
Viscosity at 25°C (typical)	Haake Rheometer	500 cps
Functionality		2
Molecular Weight (approx.)		9,000
Decomposition Temperature (solid resin)	TGA	> 400°C
Recommended Storage Temp		25°C or below

*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-9000 is recommended for use as a base resin for UV or peroxide cure adhesives or coatings. It is especially suited for use in film based adhesive compositions.

## CONTACT:

### REQUEST A SAMPLE OR PLACE AN ORDER

Dawn Butts

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REF: DMI Part Number: R1176