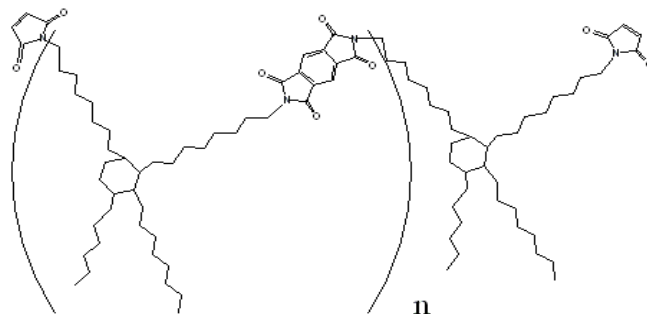


# TECH DATA SHEET

## BMI-9000



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

## DESCRIPTION

Where  $n = 1$  to 10

**BMI-9000** is an imide-extended bismaleimide oligomer that exhibits excellent 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
- Non-tacky, film-forming, maleimide functional oligomer
- Cures to a tough thermoset

## SUGGESTED APPLICATIONS

- Film adhesives
- Additive to enhance toughness in thermoset compositions

## TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Appearance at Room Temperature (50% solution in toluene)		Dark brown liquid
Functionality		2
Molecular Weight (approx.)		9000
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 above structure is an idealized representation of a statistical distribution.*

## RECOMMENDED FORMULATION USE:

The **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

Dawn Butts

☎ 858-348-1122 ext. 4726

✉ [dbutts@designermoleculesinc.com](mailto:dbutts@designermoleculesinc.com)

REF: DMI Part Number: R1176