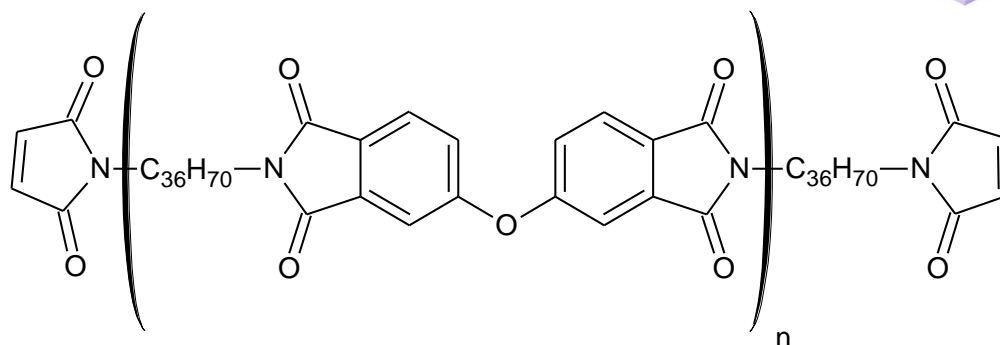


# TECH DATA SHEET

## BMI-1500



Average  $n = 1.3$

## DESCRIPTION

BMI-1500 is an amorphous, low molecular weight bismaleimide oligomer that exhibits good adhesion to a variety of substrates. It can be homo-cured via UV or free radical initiators to form tough, hydrophobic, cross-linked polyimides. The material has excellent low pH hydrolytic resistance and thermal stability. The amorphous nature of this imide-extended BMI allows it to form room-temperature-stable solutions in a variety of free radical reactive diluents. It is soluble in many common solvents such as toluene, xylene, MIBK, etc.

## HIGHLIGHTS

- Soluble in many reactive diluents
- High adhesion to various substrates
- Hydrophobic
- Superior thermal stability

## TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

| PROPERTY                                       | METHOD                 | RESULT                |
|--|------------------------|-----------------------|
| Appearance at Room Temperature                 | Visual                 | Amber, viscous liquid |
| Functionality                                  |                        | 2                     |
| Molecular Weight (approximate)                 |                        | 1,504 daltons         |
| Weight Loss @ 300°C                            | TGA                    | < 1.5%                |
| Viscosity @ 60°C                               | Cone and Plate @ 5 rpm | 20,000 ± 10,000 cP    |
| Decomposition Temperature                      | TGA                    | > 400°C               |
| Continuous Operating Temperature (approximate) |                        | < 180°C               |
| Recommended Storage Temp                       |                        | Room Temperature      |

*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-1500 is recommended for use as an additive or base resin in adhesives that are designed for high temperature resistance. It has excellent adhesion to a variety of substrates. When used as a base resin, it can produce adhesives that are tough, flexible and demonstrate good peel strength.

## CONTACT:

### REQUEST A SAMPLE OR PLACE AN ORDER

Customer Support

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REF: DMI Part Number: R1203