



DESCRIPTION

MM-201L is a supercooled liquid monomaleimide. It can be used to increase the Tg and high temperature adhesion for formulations that cure via a free-radical mechanism. It is soluble in most other monomers. It has exceptionally high thermal stability and low weight loss on cure. It is very resistant to hydrolysis at low pH. The supercooled liquid nature and moderate viscosity monomer makes it an ideal candidate as a diluent or an additive to increase the Tg of a formulation.

HIGHLIGHTS

• Hydrolytically resistant	• High thermal stability
• Supercooled Liquid maleimide	• Low weight loss on cure
• Moderate viscosity	• High Tg

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	METHOD	RESULT
Appearance at Room Temperature	Visual	Red liquid*
Viscosity @ 25°C (typical)	Haake Rheometer	900 cps
Density		1.17g/cc
Weight Loss @ 300°C (catalyzed)	TGA	< 5%
Flash Point	Closed Cup	175°C
Functionality		1
Molecular Weight		201
Recommended Storage Temp		25°C or below

* Storage at < 25°C will result in the precipitation of some solids. The fully liquid state can be regenerated by warming to 40°C until all solids redissolve.

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:

MM-201L is recommended for use as an additive to increase the Tg of a formulation. As little as 10% can increase the Tg by 20°C or more. The molecule is mono-functional and contributes to high temperature adhesion without increasing cross-link density. It has low weight loss for a mono-functional monomer and outstanding thermal stability. It should only be used in compositions containing a free radical initiator.

CONTACT:

REQUEST A SAMPLE OR PLACE AN ORDER

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