Technical Data

Technirez® RME-912

Elastomer Modified Epoxy Resin

Description:

Technirez®RME-912 is a solid adduct of a "4" type solid diglycidyl ether of bisphenol-A epoxy resin and a carboxyl terminated butadiene acrylonitrile elastomer. RME-912 is epoxy functional and therefore compatible with all epoxy resins. The product offers low temperature melting and high elastomer content. RME-912 is easily dissolved in a variety of solvents such as MEK, toluene and xylene. Due to its high elastomeric content, significant improvements in impact resistance, thermal shock resistance and fatigue resistance may be seen when used alone or in combination with other epoxy resins.

The product is offered as a coarse pellet or as a fine ground (180 micron) powder or as superfine 74 micron grade.

Typical Properties:

Appearance:	Tan chip or pellet
EEW:	1650
Elastomer content:	33%
Specific gravity @ 25°C:	1.1
Capillary viscosity: (@ 100°C and 400/s shear rate)	400 poise

Advantages:

- High elastomer content
- Good compatibility with epoxy resins
- High peel strength while maintaining shear strength
- Good thermal shock resistance
- Improved fatigue resistance
- High residual tack on film

Typical Applications:

- Composites such as prepregs
- Film and paste adhesives
- Powder coatings

Handling Precautions:

Refer to the product Safety Data Sheet

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