Technical Data Sheet

SP-TMEP70

Thermoplastic Modified Epoxy Resin

SP-TMEP70 The benefits of thermoplastic modified epoxy resins have been described in academic literature. However, commercial availability has been limited. Now a series of thermoplastic modified epoxy resins are available commercially using proprietary engineered thermoplastics to produce epoxy resins possessing many of the advantages of rubber modified epoxies without their associated deficiencies. Compared to rubber modified materials, thermoplastic modified epoxies maintain higher glass transition temperatures with reduced sensitivity to moisture and humidity. Also, depending on the modifier and epoxy, these resins can be produced as completely clear materials (unlike rubber modified materials) for use in coating applications such as powder coatings. These resins can be used as a thermoplastic or may be cured using conventional curing technologies for single component systems e.g., with DICY (dicyandiamide).

Issue Date:	3/11/2022
Specific Physical Form:	Solid Flake or Granulated
Color:	Tan
General Physical Form:	Solid
Shelf Life:	3 Years

Typical Properties -

Specific Gravity:	1.2
Epoxy Equivalent Weight:	520 - 685 g/eq.

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