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 used as a thermoplastic or may cured using conventional curing technology for single component systems e.g., with DICY (dicyandiamide).

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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: 535 - 700 g(eq.)