

Kane Ace® MX 210

25% Core Shell Rubber in epoxidized phenolic novolac

Description:

Kane Ace® MX 210 is a 25% concentrate of core shell rubber (CSR) toughening agent in epoxidized phenolic novolac. MX 210 is stable and the CSR remains completely dispersed under normal handling, formulating and curing conditions. The concentrate can be mixed or diluted with a variety of epoxy resins and diluents.

The resulting composite or adhesive exhibits improved fracture toughness both as neat resin and well as when reinforced with fiberglass or carbon, without sacrificing glass transition temperature or other thermal properties related to the cross-link density. The MX 210 product is also free of ionic and organic contaminants.

Applications:

Kane Ace® MX 210 is suitable for use in the production of composites from prepregs, filament winding, pultrusion, and resin transfer molding where high temperature resistance is required. Other applications

include adhesives, high performance coatings and copper-clad laminates. Please see your Kaneka representative for more detailed information on applications.

Curing Agents:

Kane Ace® MX 210 is compatible with typical curing agents such as dicyandiamide, (dicy), diaminodiphenylsulfone (DDS) and a variety of novolacs.

Storage Conditions:

Kane Ace® MX 210 is suitable for use for at least 12 months from the date of manufacture when stored in the original, unopened container. The product should be kept away from excessive hot or cold to prevent crystallization of the epoxy.

Handling Precautions:

Safe practices and procedures as outlined in the applicable MSDS must be followed.

Characteristics (preliminary data):

Appearance:	Uniform, blue/yellow clear liquid.
CSR Content:	25 +/- 1 wt%
Epoxy Equivalent Weight:	238 +/- 11 g/eq.
Viscosity @ 80°C:	60,000 +/- TBD cps
Flash point :	>220 °C
Density:	1.1

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