

## Kane Ace® MX 153

**33% Core Shell Rubber in unmodified, liquid epoxy resin based on Bisphenol-A**

### Description:

Kane Ace® MX 153 is a 33% concentrate core shell rubber (CSR) toughening agent in unmodified liquid epoxy resin based on Bisphenol-A. The CSR of MX 153 is based on a lower Tg rubber component which provides more toughening than standard CSR compositions. MX 153 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, adhesive or coating exhibits improved fracture toughness, lap shear strength, and durability without sacrificing glass transition temperature or other thermal properties related to the cross-link density. The MX 153 product is also free of ionic and organic contaminants.

### Applications:

Kane Ace® MX 153 is suitable for use in the production of composites from prepregs,

filament winding, infusion, and resin transfer molding. Other applications include coatings, adhesives, copper-clad laminates and electrical castings. Please see your Kaneka representative for more detailed information on applications.

### Curing Agents:

Kane Ace® MX 153 is compatible with typical cold, warm and hot curing agents for coatings, adhesives and composites.

### Storage Conditions:

Kane Ace® MX 153 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.

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### Characteristics (Preliminary Data):

<b>Appearance:</b>	Uniform, blue/yellow clear liquid.
<b>CSR Content:</b>	33 +/- 1 wt%
<b>Epoxy Equivalent Weight:</b>	270 +/- 11 g/eq.
<b>Viscosity @ 50°C:</b>	20,000 +/- TBD cps
<b>Flash point :</b>	>220 °C
<b>Density:</b>	1.1

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