Triethylene Glycol Dimethacrylate

NMRL has developed special polyester resin for adhering special rubber article onto metal surface. Unlike conventional polyester resin where the diluent is styrene, the polyester resin is a solution of unsaturated polyester in triethylene glycol dimethacrylate. The final usage of resin is in the curable form which is done under electron beam irradiation. The qualitative requirement of resin included transparent liquid, curable under EB treatment as per specification, reasonable pot life and easy applicability. The resin is formulated in such a way that it gives optimum performance without failing in adhesion along with epoxy putty when the adhered structure is used underwater. The advantage of this resin over commercial resin is that it is styreneless, nontoxic and excellent storage life.

SALIENT FEATURES

Appearance	:	Pale yellow clear liquid
Density at 20°C	:	1.05 – 1.1 g/cc
Acid Value	:	0.5 mg/KOH max.
R.I. at 25°C	:	1.45-1.47
Purity	:	Above 97%

AREAS OF APPLICATION	Used as diluents in styrene less polyester resin used for surface modification of rubber articles before bonding to metal surface	**STATUS**	Technology available for transfer