

REPLOXY-R-5197

TECHNICAL DATA SHEET

R-5197 Aliphatic Epoxy Diluent (Reactive Diluent)

R 5197 is a low viscosity, long chain aliphatic mono epoxide reactive diluent based on C12-C14 alcohol. It is compatible with all types of epoxy resins in any proportion. A higher proportion of this product imparts flexibility in the cured system and hence affects glass transition temperature significantly.

PRODUCT DETAILS

Product Description : Aliphatic Epoxy Diluent	Colour On G-Scale. 1 Max
Form Of Supply : 100% Reactive Solids	Epoxy Equivalent Weight : 270 - 310
Clarity : Clear	% Hydrolysable Chlorine Content : 0.1 Max

Viscosity @ 25°C on BF

3-20 cps (SPL- 01/RPM-30)

Epoxy Value :

3.35-3.70 Eq /kg

PRINCIPAL PROPERTIES

High resistance to solvents and ammonia, improves wetting and processability, low surface tension and good leveling, provides very good flexibility, reduces viscosity efficiently and relatively low health risk due to its low vapour pressure

SUGGESTED USES

R-5197 Ideal for use in structural grouts, overlays, and decorative gravel surfaces. Suitable for potting, and tooling applications requiring high mechanical strength and dimensional stability. Suitable for FRP composites Acts as a matrix resin in fiber-reinforced plastic systems for automotive, construction, and industrial applications.

STORAGE

Storage stability of **R-5197** at or below temperature 35°C packed in original container can withstand up to 12 months