KUMHO P&B CHEMICALS, INC.

KER 828

DATA SHEET: KER epoxy resins

Description

KER 828 is a medium viscosity liquid epoxy resin produced from bisphenol A and epichlorohydrin. It contains no diluent. KER 828 provides good pigment wetting and good resistance to filler settling and a high level of mechanical and chemical resistance properties in the cured state. However as an unmodified pure bisphenol A resin, KER 828 is prone to crystallise on storage, particularly in cold conditions.

Note: KER 827 and 828 are unmodified resins of similar type and performance they offer the formulator a choice of viscosity.

Applications

Electrical and electronic industries (potting casting, impregnating). Building and civil engineering industries (floorings, adhesives, mortars, grouts) Filament winding for composites solventfree and high-solids coatings.

Sales specifications

Property	Unit	Value	Test method
Epoxy group content	Mmol/kg	5260-5420	ASTM D1652
Epoxy molar mass	g	(184 ~ 190)	ASTM D1652
Viscosity at 25°C	Pa.s**	12 - 14	ASTM D445
Color	Pt/Co scale	100 max	ASTM D1209

** 1Pa s = 10 poise

- grams of resin containing 1 g-equivalent of epoxide (WPE Weight per equivalent is an alternative term)

Typical properties

Property	Test metnod	Unit	Value
De ¨ sly at 25 ℃	KPB-QC2-242	Kg/l	1.16
Fash point (PMCC)	ASTM D93	= C	>150

Test methods

AS M Standerds are published by the American Society for Testing anc Materia s 1000 Barr Harbor Drive West Conshonocker PA 19428-2959, USA

KPB methods mentioned are available from Kumho P&B Chemicals, Inc.

Storage

KER 828 shoula se stored in conations so that moisture is excluded, preferably in the orginal conta ners kept tight y closed Under these conditions and at normal temperatures the storage fe snoulc ice at least one year. If KER 828 develoos a hazness or crystallises on storage, this can be dispersed and the resin restored to us original cordition by warming to 45- 50°C, with shirr ng

Handling precautions

Reference must be made to the Material Safety Data Sneer for this proc.ict.