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KER 828

1. Description

KER 828 is a medium viscosity liquid epoxy resin produced from bisphenol A and epichlorohydrin. It contains no diluents. 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 crystallize 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.

2. Applications

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

3. Sales specifications

Property	**Unit**	**Value**	**Test method**
Epoxy group content Epoxy molar mass*	mmol/kg g/eq	5260-5420 (184.5 ~ 190.0)	ASTM D1652
Viscosity at 25℃	Pa.s**	12 ~ 14	ASTM D445
Color	Pt/Co scale	100max	ASTM D1209
Hydrolyzable Cl	mg/kg	400 max.	SMS 2739
Total Cl	mg/kg	2000 max.	KPB-QC2-214
T-VOC	ppm	300 max.	

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

** 1 Pa.s = 10 poise = 1000 cps