JIANGSU KUMHO YANGNONG CHEMICAL

YN-1828

YN epoxy resins	*DATA SHEET*

Description

YN-1828 is a medium viscosity liquid epoxy resin produced from bisphenol A and epichlorohydrin. It contains no diluents. YN1828 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, YN1828 is prone to crystallize on storage, particularly in cold conditions.

Sales specifications

Property	Unit	Value	Test method
YN-1828			
Epoxy group content Epoxy molar mass*	mmol/kg g/eq	5260-5420 (184-194)	ASTM D1652
Viscosity at 25℃	Pa.s	11.0-15.0	ASTM D1545
Color	Pt/Co scale≦	50	ASTM D1209
Hydro-Cl(mg/kg)	(mg/kg) ≦	1000	ASTM D1726

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

** 1 Pa.s = 10 poise

Typical properties

Property	Unit	Value	Test method
YN-1828			
Density at 25℃	kg/L	1.16	
Flash point (PMCC)	℃	>150	ASTM D93

* PMCC : Pensky-Martens closed-cup

Test methods

ASTM Standatds are published by the American Society for Testing and Materials, 1000 Barr Harbor Drive, West Conshohocken, PA 19428-2959, USA.

YN methods mentioned are available from Jiangsu Kumho Yangnong Chemical Co., Ltd.

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.

Storage

YN-1828 should be stored in conditions so that moisture is excluded, preferably in the original containers kept tightly closed. Under these conditions and at normal temperatures the storage life should be at least one year. If YN-1828 develops a haziness or crystallizes on storage, this can be dispersed and the resin restored to its original condition by warming to 45~50℃, with stirring.

Handling precautions

Reference must be made to the Material Safety Data Sheet for this product.

YN is a Jiangsu Kumho Yangnong Chemical trade mark.

The information contained in this publication is, to the best of our knowledge, true and accurate, but any recommendations or suggestions which may be made are without guarantee, since the conditions of use are beyond our control.