

EPONAC[®] 4085

PRODUCT
DATA SHEET
RE/4085/019901/1

Description

High molecular weight Bisphenol A based solid epoxy resin.

Applications

As the types EPONAC 2065 and 3075, also this resin is used, compounded with phenolic resins, for the internal coating of flexible tubes, to which, having a very high molecular weight, it gives a better flexibility. It is also often used compounded with other types of solid epoxy resins. Pulverized and added with a latent catalyst, EPONAC 4085 is suitable for the preparation of oven-hardening products with a good conservability at room temperature.

Sales Specifications

Property	Value	Unit	Method
Epoxy equivalent weight	2500 - 3500	g/eq.	ISO 3001
Viscosity at 25°C (1)	Z ₂ - Z ₅	Gardner Sc.	ASTM D 1545
Colour (1)	200 max	Pt/Co Sc.	ASTM D 1209

(1) Determined on 40% m/m solution diethyleneglycol-monobutylether

Typical Properties

Property	Value	Unit	Method
Melting range	105 - 125	°C	SIR 10000
Glass transition temperature (2)	79	°C	ASTM D 3418

(2) Determined on DSC (Perkin Elmer series 7) : 20°C/minute

(3) Viscosimeter ICI, Cone & Plate

Supply form

Product is available as irregular flakes packed in 25 kgs. polyethylene bags.

Storage stability

The product should be stored in the original bags kept tightly closed, away from sunshine and heat sources. Under these conditions and at a normal temperature (20°C) the resin should have a stability of one year.

Safety

The product is not flammable and no toxic effect has been determined. Further advises are given in the safety data sheet.

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N.B.: The data given in this brochure do not constitute characteristic properties of the single product. To our best knowledge, the information contained in this brochure is accurate and corresponds to the truth. However, any recommendations or suggestions are provided without any guarantee, since the conditions in which the products are used are not under our control. Furthermore, nothing contained in this brochure shall be interpreted as a recommendation for using the product in violation of any patents relating to the materials and their uses.