

EPOSIR[®] 7166

PRODUCT
DATA SHEET
RE/7166 /060401/1

Description

Low molecular weight Bisphenol A based solid epoxy resin.

Applications

Eposir 7166 is suitable for formulation of Hybrid powder coatings in combination with carboxyl-terminated polyester resins.

Sales specification

Property	Value	Unit	Method
Epoxy equivalent weight	570 - 620	G/eq.	ISO 3001
Viscosity at 25°C (1)	H – M	Gardner Sc.	ASTM D 1545
Colour (1)	120 max.	Pt/Co Sc.	ASTM D 1209

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

Typical Properties

Property	Value	Unit	Method
Melting range	57 – 67	°C	SIR 10000
Glass transition temperature (2)	42	°C	ASTM D 3418
Viscosity at 150°C (ICI cone plate)	900	mPa.s	

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

Supply Form

Product is available as irregular flakes packed in 25 Kg PolyEthylene bags.

Storage stability

Because of low value of glass transition temp. the product could have a little tendency to block on storage. We recommend to store it in the original bags kept tightly closed, away from direct sunshine and heat sources. Under these conditions and at a normal temperature (5-25°C) the resin should have a stability of one year.

Safety

The product is not flammable and no toxic effect has been determined.

Further advices are given in the safety data sheet.

Eposir[®]: SIR INDUSTRIALE registered trade mark.

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 material and their uses.