

SIRION[®] VP 2080

PRODUCT
DATA SHEET
REC/2080/0314/1

Description

Solid phenolic hardener for epoxy resins, containing 2.5 wt % of polyacrylate flow modifier. Lower reactivity than Sirion VP 2081

Applications

Sirion VP 2080 is suitable for formulation of decorative or protective epoxy based powder coatings. When formulated with epoxy resins, cured coatings with good flexibility and chemical resistances can be obtained.

Sales specification

Property	Value	Unit	Method
Melting range	60 - 70	°C	SIR 10000
Viscosity at 25°C (1)	H – M	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
Active hydrogen equiv. weight	250 ± 30	g/eq.	
Glass transition temperature (2)	50	°C	ASTM D 3418
Viscosity at 150°C (3)	700	mPa.s	SIR 10391
Suggested ratio, phr	30 – 35 with Eposir 7178 PG 20 – 25 with Eponac 85	g	

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

(3) ICI Cone & Plate Viscosimeter

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 labelled as flammable. Please consult safety data sheet for complete details.

Sirion[®]: 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.