

SIRALES[®] PE 7220.T

PRODUCT
DATA SHEET
RS/155T/110901/1

Description

Carboxylated polyester resin for outdoor powder coatings.

Application

Sirales[®] PE 7220 in combination with β -hydroxyalkylamides (ratio 93:7) or with TGIC (ratio 90:10) makes achievable outdoor powder coatings with high hardness and solvent resistance.

Physical blending of the powders based on it with that prepared with low hardeners demand resins, like Sirales[®] PE 7201 or PE 7202, gives good mat finishing.

The paints based on it show a good tribochargeability.

	TGIC	β -hydroxyalkylamide
Curing cycle :	10 ... 15 min. at 200°C.	8 ... 12 min. at 200°C.
(in real time)	15 ... 20 min. at 180°C.	10 ... 15 min. at 180°C. 15 ... 20 min. at 160°C.

Sales specifications

Property	Value	U.M	Method
Acid number	46 ... 54	mg.KOH/gr	SIR 10328
Viscosity ICI at 200 °C	3000 ... 6000	mPa.s	SIR 10391
Color ⁽¹⁾	3 max.	Sc. Gardner	ASTM D 1544

(1) Determined on 50% m/m solution on dimethylformamide.

Typical properties

Property	Value	U.M	Method
Glass transition temperature (T _g) ⁽²⁾	66	°C	ASTM D 3418

(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

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 (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 informations are provided in the relevant safety data sheet.

SIRALES[®]: 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.