

SIRALES[®] PE 7112.T

PROVISIONAL
PRODUCT
DATA SHEET
RS/174/111402/1

Description

Carboxylated polyester resin suitable for outdoor powder coatings.

Applications

The resin SIRALES[®] PE 7112.T is suitable for the production of outdoor powder coatings with a low content of hardeners: b – hydroxyalkylamide (ratio 96:4) and TGIC (ratio 95:5). It enables to obtain powder coatings with the following characteristics:

- very good tribo chargeability;
- optimal mechanical properties, with an excellent flow and gloss;
- good resistance to weather agents for industrial applications;
- very low yellowing even with high temperature curing cycles.

Suggested curing cycles (real time)

b – hydroxyalkylamide
10...12 min. at 200 ° C
15...20 min. at 180 ° C

tgic
15 ... 18 min. at 200°C
20 ... 25 min. at 180°C

Sales specifications

Property	Value	Unit	Method
Acid number	20 - 28	mg KOH/gr	SIR 10328
Viscosity at 200°C (ICI cone plate)	4500 - 7500	MPa.s	SIR 10391
Colour (1)	3 max.	Sc. Gardner	ASTM D 1544

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

Typical Properties

Property	Value	Unit	Method
Glass transition temperature (Tg)	55	°C	ASTM D 3418

Supply Form

Product is available as irregular flakes packed in 25 kg 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 (not more than 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 information are provided in the 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.