SIRALES® PE 7550	PRODUCT DATA SHEET RS/345/011901/1

Description

Carboxylated polyester resin suitable for superdurable outdoor powder coatings.

Experimental resin. The specifications could be refined without any notice. In case of any question, please contact our sales department.

Applications

The resin SIRALES® PE 7550 is suitable for the production of superdurable powder coatings with β – hydroxyalkylamide hardeners (ratio 93:7). It enables to obtain powder coatings with the following characteristics:

- excellent resistance to weather agents;
- very low yellowing even with high temperature curing cycles;
- very high reactivity.

Suggested curing cycles:

(real time) 10 minutes at 180°C
15 minutes at 160°C

Sales specifications

Property	Value	Unit	Method
Acid number	52 – 58	mg KOH/gr	SIR 10328
Viscosity at 200°C	2500 – 4500	mPa.s	SIR 10391
Colour(1)	2 max.	Sc. Gardner	ASTM D 1544

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

Typical Properties

Property	Value	Unit	Method
Glass transition temperature (Tg)(2)	65	°C	ASTM D 3418

(2) Determined on DSC (Perkin Elmer mod Diamond) : 20°C/minute.

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.