SIRALES® PE 7870.T	PRODUCT DATA SHEET RS/176/051601/1

Description
Carboxylated polyester resin for industrial outdoor powder coatings.
Experimental resin. The specifications could be refined without any notice. In case of any question, please contact our sales department.

Applications
Sirales® PE 7870.T, in combination with HAA hardeners (ratio 95/5), makes achievable a powder coating for outdoor purposes featuring a very good flow as well as mechanical and weather resistance properties, a low yellowing and a high resistance to overbaking.
Good balance of reactivity and viscosity makes it particularly suitable for structural coatings.
Sirales® PE 7870.T can be used with tribostatic guns

Curing cycles (real time) 12 … 15 min at 200°C
15 … 20 min. at 180°C

Sales specification

Property	Value	Unit	Method
Acid number	30 – 38	mg KOH/gr	SIR 10328
Viscosity ICI at 200°C	2500 – 4500	mPa.s	SIR 10391
Colour (1)	3 max.	Sc. Gardner	ASTM D 1544

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

Typical Properties

Property	Value	Unit	Method
Glass transition temperature (Tg)	59	°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 (25°C max), 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 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.