SIRALES® PE 8412.T	PRODUCT DATA SHEET PROVISIONAL RS/191/100401/1

Description

Carboxylated polyester resin suitable for HYBRID powder coatings with very good tribochargeability.

Applications

Sirales® PE 8412.T is suggested in combination 70/30 p.b.w. with EPOSIR® 7168 PG, EPOSIR® 7175 PG or EPONAC® 825, to manufacture powder coatings with high reactivity combined with good flow and mechanical properties and with good yellowing resistance for overbaking.

Curing cycles (real time)   10 … 12 min. at 180°C

                                                       12 … 15 min. at 160°C

Sales specification

Property	Value	Unit	Method
Acid number	35 … 45	mg KOH/gr	SIR 10328
Viscosity at 200°C (ICI cone plate)	3500 … 6500	m.Pa.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	54	°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 (20°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 relevant safety data sheet.