# SIRALES<sup>®</sup> PE 8344.T

### Description

Carboxylated polyester resin suitable for hybrid powder coatings free from trimellitic anhydride. Experimental resin. The specifications could be refined without any notice. In case of any question, please contact our sales department.

## **Applications**

Sirales<sup>®</sup> PE 8344.T is suggested in combination 60/40 p.b.w. with EPOSIR<sup>®</sup> 7178 PG, 7175 PG or EPONAC<sup>®</sup> 825, to manufacture powder coatings with low reactivity. It exhibits good flow and smoothness appearance as well as high mechanical properties and yellowing resistance. The powder coatings based on it show a good tribochargeability.

Curing cycles (real time)	10 12 min. at 180°C
	15 20 min. at 170°C

#### Sales specification

Property	Value	Unit	Method
Acid number	46 - 54	mg KOH/gr	SIR 10328
Viscosity at 200°C (ICI C&P)	1500 - 3500	m.Pa.s.	SIR 10391
Colour (1)	3 max.	Sc. Gardner	ASTM D 1544

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

#### **Typical Properties**

Property	Value	Unit	Method
Glass transition temperature (2)	57	°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 ( $20^{\circ}$ 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.

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