

# SIRALES<sup>®</sup> PE 7813.T

PRODUCT  
DATA SHEET  
RS/7813/031301/1

## Description

Carboxylated polyester resin suitable for outdoor powder coatings.

## Applications

SIRALES PE 7813.T is the flow enhanced version of PE 7816 and it is suitable for the production of outdoor powder coatings in combination with  $\beta$  – hydroxyalkylamide (ratio 95/5). It enables to obtain powder coatings with the following characteristics:

- optimal mechanical properties, with an excellent flow
- very good resistance to weathering
- low yellowing even with high temperature curing cycles
- good tribochargeability.

## Suggested curing cycles

(real time)	10...15 min. at 200 °C
	15...20 min. at 180 °C
	20...25 min. at 160 °C

## Sales specifications

Property	Value	Unit	Method
Acid number	30 – 38	mg KOH/gr	SIR 10328
Viscosity at 200°C (ICI cone plate)	2000 – 5000	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)	58	°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<sup>®</sup>: 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.