

# SIRALES<sup>®</sup> PE 7809

PRODUCT  
DATA SHEET  
RS/7809/059901/1

## Description

Carboxylated polyester resin for outdoor powder coatings suitable to be used with tribostatic systems.

## Applications

Sirales PE 7809, in combination with the  $\beta$ -hydroxyalkylamide hardeners (ratio 95/5), makes achievable a powder coating durable 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, along with high storage stability. The particular formulation of Sirales PE 7809 grants the absence of "blooming" during low temperature curing and a very good wettability of the pigments and fillers used in production of powder coating.

## Curing cycles (real time)

10 min. at 200°C ; 15 min. at 180°C ; 20 min. at 160°C.

## Sales specification

Property	Value	Unit	Method
Acid number	30 – 38	mg KOH/gr	SIR 10328
Viscosity at 200°C (ICI cone plate)	3000 – 5500	mPa.s	SIR 10391
Colour (1)	4 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)	62	°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<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.