

# SIRALES<sup>®</sup> PE 7811

## PRODUCT DATA SHEET

RS/4835/059901/1

### Description

Carboxylated polyester resin for clearcoat outdoor powder coatings containing 1,0% of flow agent.

### Applications

Sirales<sup>®</sup> PE 7811, in combination with the  $\beta$ -hydroxyalkylamide hardeners (ratio 95/5), makes achievable a very clear powder coating with good outdoor resistance, a very good flow as well as mechanical resistance and a low yellowing during baking, along with high storage stability. It's sufficient to use 0,1% of benzoin to prepare a powder coatings without surface defects.

**Curing cycles (real time):** 10 min. at 200°C  
(real time) 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 ICI at 200°C | 2750 ... 4750 | 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) | 60    | °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.