

# SIRALES<sup>®</sup> PE 8417

PRODUCT DATA  
SHEET  
RS/8417/051301/1

## Description

Carboxylated polyester resin suitable for hybrid powder coatings without trimellitic anhydride.

## Applications

Sirales<sup>®</sup> PE 8417 is suggested in combination 70/30 p.b.w. with EPOSIR<sup>®</sup> 7168 PG, EPOSIR<sup>®</sup> 7175 PG or EPONAC<sup>®</sup> 825, to manufacture powder coatings with very high reactivity combined with good mechanical properties and flow.

**Curing cycles (real time)**      6 ... 10 min. at 180°C  
   10 ... 15 min. at 160°C

## Sales specification

| Property                            | Value         | Unit        | Method      |
|-------------------------------------|---------------|-------------|-------------|
| Acid number                         | 32 ... 40     | mg KOH/gr   | SIR 10328   |
| Viscosity at 200°C (ICI cone plate) | 4000 ... 7000 | 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 | 53    | °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.

SIRALES<sup>®</sup>, EPOSIR<sup>®</sup> and EPONAC<sup>®</sup> are 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.