

SIRALES[®] PE 7814.T

PRODUCT
DATA SHEET
RS/314/051401/1

Description

Carboxylated polyester resin for outdoor powder coatings.

Experimental resin. The specifications could be refined without any notice. In case of any question, please contact our sales department.

Applications

Sirales PE 7814.T, in combination with HAA (ratio 95:5), makes achievable a powder coating durable for outdoor purposes featuring very good storage stability, good weather resistance flow and mechanical properties together with high gloss.

The powder coatings based on Sirales[®] PE 7814.T are suitable for tribo application.

| | |
|----------------------------------|-------------------------|
| Curing cycles (real time) | 10 ... 15 min. at 200°C |
| | 15 ... 20 min. at 180°C |

Sales specification

| Property | Value | Unit | Method |
|-------------------------------------|-------------|-------------|-------------|
| Acid number | 30 ... 38 | mg KOH/gr | SIR 103281 |
| Viscosity at 200°C (ICI cone plate) | 3000 - 5000 | mPa.s | SIR 10391 |
| Colour ⁽¹⁾ | 2 max. | Sc. Gardner | ASTM D 1544 |

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

Typical Properties

| Property | Value | Unit | Method |
|---|-------|------|-------------|
| Glass transition temperature ⁽²⁾ | 65 | °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°C) the resin should have a stability of one year.

Safety

The product is not flammable and no toxic effect has been determined.
Further informations are provided in the relevant safety data sheet.

SIRALES[®]: 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.