# SIRALES<sup>®</sup> PE 6110

### Description

Hydroxylated polyester resin for polyuretanic powder coating based on FDA approved raw materials - 21 CFR Ch. I (4–1–06 Edition) § 175.300 for contact with non alcoholic foods.

## Applications

SIRALES<sup>®</sup> PE 6110 is suitable for preparations of outdoor powder coatings in combination with blocked aliphatic isocyanates hardeners. For example with the hardener Vestagon B 1530, in part by weight PE : B 1530 = 83 : 17, makes powder coatings with the following characteristics:

- Very good mechanical properties in combination with very good flow;
- Very low yellowing during the curing;
- Very good resistance to weathering.

Curing cycles (real time)	1015 minutes at 200°C	
	1520 minutes at 180°C	

#### Sales specification

Property	Value	Unit	Method
Acid number	4 8	mg KOH/g r	SIR 10231
Hydroxyl number	30 45	mg KOH/g r	SIR 10299
Viscosity ICI at 200°C	4500 7500	mPa.s	SIR 10391
Colour	2 max.	Sc. Gardner	ASTM D 1544

( $^{\wp}$ ) Determined on 50% m/m on dimethylformamide

#### **Typical Properties**

Property	Value	Unit	Method
Glass transition temperature (T <sub>g</sub> )	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 (20°C) the resin should have a stability of one year.

#### Safety

The product is not flammable and no toxic effect has been determinated. 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.