

SIRALES[®] PE 6215/F

PRODUCT
DATA SHEET
RS/114/071502/1

Description

Hydroxylated polyester resin for powder coating containing 15% of acrylic flow agent.

Applications

SIRALES[®] PE 6215/F, used in a quantity from 2 to 7% in the formulation of powder coatings gives a very good flow. The particular composition of the formulation grants both a very good resistance to weathering and a very good compatibility with the most common hardeners for powder coatings: epoxy-polyester, polyurethanic, TGIC polyester and polyester- β -hydroxyalkylamide.

Sales specification

Property	Value	Unit	Method
Acid number	8 max	mgKOH/g	SIR 10328
Viscosity ICI at 200 °C	1200 ... 3200	mPa s	SIR 10391

Typical properties

Property	Value	Unit	Method
Hydroxyl number	45	mgKOH/g	SIR 10299
Glass transition temperature (Tg)	58	°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) 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[®]: 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.

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APPLICATION
DATA

Comparison between flow agent adsorbed on silica and dispersed in hydroxylated polyester resins

Flow agent in resin assures:

- + better dispersion of flow agent in dry blend;
- + less orange peel caused by plasticizing effect of hydroxylated resin

Formulation (parts by weight)	A	B
Sirales PE 8254	360	340
Eposir 7178 PG	240	225
Sirales PE 6215/F (15%)	/	45
Flow agent on silica (66%)	10	
Benzoin	4	4
Titanium dioxide Kronos 2310	286	286
Blanc fixe Super F	100	100

% of flow agent on powder	0.66	0.68
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Extrusion condition

Extruder	BUSS PLK 46
Casting temperature	100°C
Screw temperature	Cold
Speed	80 - 120 rpm

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