Technical Data Sheet



PCR 933

Date of Issue: May. 2017

Type: Saturated Polyester Resin, Carboxylated

PCR 933 is a medium reactive carboxyl functional polyester resin for use with epoxy resins EEW 700-800 at a ratio 50/50 for manufacturing hybrid powder coatings.

Delivery Form(s)

PCR 933 100 % in flake form

Application(s)

- Texture powder coatings
- General industries
- Interior decorative with good appearance

Principal Properties

- Good leveling
- Very good impact
- Very good gloss

Specifications

Acid value (ISO 3662): 69-79 (mg koh/gr) Viscosity @ 200 °C: 2500 - 3500 m.Pa.s

Color, 50 % in DMF (ASTM D 1544-80): 3 max.

Density @ 20 °C:

Glass transition temperature, °C:

Gel Time @ 180°C (Second):

1.2 gr/ cm³ approx.

63 (ASTM D3418-08)

178 approx. (ASTM D4217)

Storage

Should be stored in the original, unopened and undamaged packing in a dry place (5 up to 30 °C), and avoided to exposure from direct sunlight and hest sources.

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantees or warranties are given for this technical advice. As a result, the application, the use and the processing of our products and the products manufacture by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. It is recommended that the consumers should evaluate the formulations in their own labs prior to production.

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Recommended Start Formulation & Application Condition

White Gloss Enamel

PCR 933	295.5
Epoxy Resin (Razeen SR-5014)	295.5
TiO2 (Cristal 128)	197.0
Blanc Fix	197.0
Benzoin	5.0
Resinflow (Worlee PV 88)	10.0

<u>Total 1000.00 Kg</u>

Application Condition

- Extruder: Twin screw with 500rpm and temp. at around 95 105 °C
- **Application:** 60 µm on 0.8 mm steel plate.
- Curing: 10 min. @ 180 °C

Film Properties

- Gloss @ 60 (%) 90
- Direct Impact (kg/cm) 160
- Indirect Impact (kg/cm) 160

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