POLY RESIN Co.

Technical Data Sheet

PCR 928

Date of Issue: May. 2017

Type: Saturated Polyester Resin, Carboxylated

PCR 928 is a low reactive carboxyl functional polyester resin for use with epoxy resins EEW 700-800 at a ratio 60/40 for manufacturing hybrid powder coatings.

Delivery Form(s)

PCR 928	100 % in flake form

Application(s)

- General industries
- Interior decorative with good appearances

Principal Properties

- Very good mechanical properties
- Very good flow
- Over bake resistance
- Very good gloss & appearances

Specifications

Acid value (ISO 3662):	50 - 60 (mg KOH/ gr)
Viscosity @ 200 °C:	3000-4000 m.Pa.s
Color, 50 % in DMF (ASTM D 1544-80):	3 max.
Density @ 20 °C:	1.2 gr/ cm^3 approx.
Glass Transition Temperature, °C:	56.2 (ASTM D3418-08)
Gel Time @ 180°C (Second):	425 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.

Web site: www.polyresinco.com E-mail: info@polyresinco.com sales@polyresinco.com
Tel.: +98-(021)-88727070-3 Fax: +98-(021)-88727205

Recommended Start Formulation & Application Condition

White Gloss Enamel

PCR 928	360.00
Epoxy Resin (Razeen SR-5014)	240.00
Ti O2 (Cristal 128)	192.50
Blanc Fix	192.50
Benzoin	5.00
Resinflow (Worlee PV 88)	10.00
Total	**1000.00Kg**

Application Condition

- **Extruder:** Twin screw with 500rpm and temp. at around 95 - 105 ˚C
- **Application:** 60 µm on 0.8 mm steel panel.
- **Curing:** 10min. @ 200 ˚C

Film Properties

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

Web site: www.polyresinco.com
E-mail: info@polyresinco.com
sales@polyresinco.com
Tel.: +98-(021)-88727070-3
Fax: +98-(021)-88727205