



CREST COMPOSITES & PLASTICS PVT. LTD.

Product Data

C'POL-271P

Product Data Sheet dated 06/07/2013

revision: 02

❖ **Product Description :**

C'POL-271 P is a low reactivity, medium viscosity unsaturated Polyester Resin based on Terephthalic Acid specially designed for Putty application. C'POL-271 P has low exotherm and ideal for putty application.

Putty made with **C'POL-271P** gives excellent dry sandability, rapid curing and long storage stability.

❖ **Physical Properties Of Liquid Resins:**

- Colour & Appearance : Hazy Dark Reddish Liquid
- Viscosity @ 25°C. (cps.) : 400 ± 50
- Acid Value (mgs.KOH/g.) : 17 ± 3
- Specific Gravity @ 25°C. : 1.13 ± 0.01
- Monomer content (wt.%) : 38 ± 2
- Geltime @ 30° C : 15 ± 3

*(With 0.2% DMA & 2% BPO PASTE)

* DMA. - N,N-DIMETHYLANILINE
BPO PASTE - Benzoyl Peroxide Paste.

Catalyst should be never brought in direct contact with accelerator. Explosion is possible.

Note: Properties are tested in accordance with methods described in IS 6746 -1994.



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❖ Mechanical Properties Of Cast Resin

(Cured for 24 hrs. at room temperature followed by for 8 hrs. at 90 deg. C)

<input type="checkbox"/> Tensile Strength (Kgs./cm. ²)	: 550
<input type="checkbox"/> Elongation at break (%)	: 3
<input type="checkbox"/> Flexural Strength (Kgs./cm. ²)	: 900
<input type="checkbox"/> Heat Distortion Temperature (°C)	: 95
<input type="checkbox"/> Barcol hardness	: 30
<input type="checkbox"/> Volume Shrinkage (%)	: 8

❖ **Caution**

C'POL-271 P, like other unsaturated polyester resin has limited shelf life. Storage at 20°-25°.C and low humidity in securely closed containers is recommended. Exposure of container to direct sunlight should be avoided at all costs. The material should be consumed as soon as it is received especially when proper storage facility does not exist. Material is guaranteed for a shelf life of 4 months from manufacturing date when stored at suggested conditions. Storage at higher temperatures will adversely affect shelf life.

Our Other Terephthalate resins:

C'POL - 371(P) - Isophthalic based putty Resin.

C'POL - 301 - Isophthalic Resin for Glassflake applications.

C'POL - 731 - Superior Vinyl Ester Resin for Glassflake application

Note.

All the above information is based on the results of tests carried out at our laboratories to the best of our ability. The figures are intended to give a general indication of the characteristics of the product. No liability must be assumed or implied as a result of the data given.

For trade enquiries please call on:

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