



CREST COMPOSITES & PLASTICS PVT. LTD.

Product Data

C'POL-3711

Product Data Sheet dated 18/01/2013

version: 01

❖ Product Description :

C'POL 3711 is a **Pre-accelerated** premium grade Iso Polyester Resin use full for the closed moulding process. Structures made with C'POL 3711 possess excellent resistance to water and host of corrosive chemicals such as dilute acids and salt solutions.

❖ Salient Features:

C'POL-3711 is specially designed for rapid production rate RTM or light RTM application with an excellent hydrolytic stability.

❖ Physical Properties Of Liquid Resins:

- Colour & Appearance : Pinkish Liquid
- Viscosity @ 25 deg. C. (cps.) : 300 ± 50
- Acid Value (mgs. KOH/g.) : 15 ± 03
- Specific Gravity @ 25 Deg.C. : 1.10 ± 0.01
- Monomer content (wt.%) : 40 ± 03
- Geltime @ 25 Deg.C. (mts.) : 10 ± 02
(with 1.25 % each of catalyst C)

Catalyst C - 50% Solution of MEKP.

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 4 hrs. at 100 deg. C)

<input type="checkbox"/> Tensile Strength (Kgs./cm. ²)	: 600
<input type="checkbox"/> Elongation at break (%)	: 2
<input type="checkbox"/> Flexural Strength (Kgs./cm. ²)	: 1050
<input type="checkbox"/> Heat Distortion Temperature (Deg.C)	: 98
<input type="checkbox"/> Barcol hardness	: 40
<input type="checkbox"/> Volume Shrinkage (%)	: 8.5

❖ **Caution**

C'POL 3711 is a material of limited shelf life. Storage at below 25 Deg. 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 2 months from manufacturing date when stored at suggested conditions. Storage at higher temperatures will adversely affect shelf life.

Our Other Chemical Resistant Resins:

- C'POL - 201 - Medium Reactivity Terephthalate Resin..
- C'POL - 231 - Low Cost Terephthalate Resin
- C'POL - 301 - Premium Isophthalic Resin.
- C'POL - 601 - Bisphenol Resin.
- C'POL - 701 - General Purpose Vinyl Ester Resin.
- C'POL - 731 - Superior Vinyl Ester Resin.

Gel coats of above resins also can be made available.

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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