



CREST COMPOSITES & PLASTICS PVT. LTD.

Product Data

C'POL-1711

Product Data Sheet dated 18/01/2013

version: 01

❖ Product Description :

C'POL 1711 is a **Pre-accelerated** low viscosity unsaturated polyester resin based on Orthphthalic acid. Structures made with C'POL 1711 possess excellent mechanical property.

❖ Salient Features:

C'POL 1711 is specially designed for RTM application with an excellent surface finish. Resin has a high heat distortion temperature with low exotherm and low shrinkage during process.

❖ Physical Properties Of Liquid Resins:

- Colour & Appearance : Pinkish Liquid
- Viscosity @ 25 deg. C. (cps.) : 200 ± 50
- Acid Value (mgs. KOH / g.) : 23 ± 03
- Specific Gravity @ 25 Deg.C. : 1.11 ± 0.01
- Monomer content (wt.%) : 39 ± 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 1711 is a material of limited shelf life. Storage at 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:

Crest Composites & Plastics Pvt. Ltd.

Survey No. 609, Village: Shetra, Tal. & Dist.: Kheda 387506.

Tel.No.: (02694) 281351/281352/281694 FAX: (02694) 281352

E-mail: cpol@crestcomposites.com