



CREST COMPOSITES & PLASTICS PVT. LTD.

Product Data

C'POL - 751

Product Data Sheet dated 30/07/2012

revision: 01

❖ Product Description :

C'POL - 751 is a medium viscosity Brominated Vinyl Ester Resin based on Bisphenol - A Epoxy Resin specially designed for good fire retardant properties. Structures made with C'POL - 751 possess good resistance to chemicals and has good mechanical properties.

❖ Physical Properties Of Liquid Resins:

- Colour & Appearance : Clear Amber Liquid
- Viscosity @ 25C (cps.) : 300 ± 50
- Acid Value (mgs. KOH / g.) : 10 maximum
- Specific Gravity @ 25C. : 1.27 ± 0.01
- Monomer content (wt.%) : 35 ± 2
- Geltime @ 25C. (mts.) : 25 ± 5
(with 1.5% each of Catalyst C.,
Accelerator A. and Promoter P.)

Accelerator A - Solution of 1% cobalt as cobalt octoate.

Catalyst C - Solution of 50% MEKP (9% Active Oxygen)

Promoter P - Solution of 10% D.M.A.

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 100C)

❑ Tensile Strength (Kgs./cm. ²)	: 700
❑ Flexural Strength (Kgs./cm. ²)	: 1200
❑ Specific Gravity	: 1.34
❑ Heat Distortion Temperature (°C)	: 108
❑ Barcol Hardness	: 40
❑ Volume Shrinkage (%)	: 8

❖ Caution

C'POL - 751 is of limited shelf life. Storage below 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. Opening the container to allow fresh air contact, and rolling can help in improving the shelf of C'POL - 751. 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.

Vinyl Ester Range:

C'POL - 701 - General Purpose

C'POL - 791 - Vinyl Ester for Primer applications.

C'POL - 711 - High HDT Vinyl Ester Resin

C'POL - 731 - Superior Vinyl Ester

C'POL - 741 - Vinyl Ester Pultrusion Resin

C'POL - 751 - Brominated Vinyl Ester Resin

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