



CREST COMPOSITES & PLASTICS PVT. LTD.

Product Data

C'POL- 741

Product Data Sheet dated 22/10/2013

revision : 02

❖ **Product Description :**

C'POL - 741 is a medium viscosity Vinyl Ester Resin based on Bisphenol A Epoxy Resin specially designed for high temperature cure processes. Structures made with C'POL - 741 exhibits good resistance to chemicals and has good electrical and mechanical properties.

❖ **Salient Features:**

C'POL-741 is designed for high speed pultrusion processing with improved finish and reduced shrinkage. Pultruded profiles using C'POL 741 will have good mechanical properties. The resin is environment friendly on account of low styrene emission.

❖ **Physical Properties Of Liquid Resins:**

- | | |
|---|-----------------------------|
| <input type="checkbox"/> Colour & Appearance | : Clear Light Yellow Liquid |
| <input type="checkbox"/> Viscosity @ 25C (cps.) | : 1100 - 1500 |
| <input type="checkbox"/> Acid Value (mgs. KOH/g.) | : 6 - 10 |
| <input type="checkbox"/> Specific Gravity @ 25 C. | : 1.08 ± 0.01 |
| <input type="checkbox"/> Monomer content (wt.%) | : 34 ± 2 |
| <input type="checkbox"/> Geltime @ 82 C. (mts.) | : 8 - 12 |
- (with 1.4% B.P.O. Powder)

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



CREST COMPOSITES & PLASTICS PVT. LTD.

C'POL - 741

❖ Mechanical Properties Of Cast Resin

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

❑ Tensile Strength (Kgs./cm. ²)	: 700
❑ Flexural Strength (Kgs./cm. ²)	: 800
❑ Specific Gravity	: 1.155
❑ Heat Distortion Temperature (°C)	: 110

❖ **Caution**

C'POL - 741 is of limited shelf life. Storage in low humidity environment at 15-20 Deg.C 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 - 741. Material is guaranteed for a shelf life of 1 month 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 - 701(P) - 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