



# CREST COMPOSITES & PLASTICS PVT. LTD.

**C'POL-291**

**revision: 01**

**Product Data Sheet dated 29/08/2012**

- **Product Description:**

**C'POL-291** is Terephthalic acid based high reactive unsaturated polyester resin dissolved in styrene. The resin can take high filler loading and is compatible with low profile additives.

- **Salient Features :**

**C'POL - 291** is specially designed for moldtrusion process.

- **Physical Properties Of Liquid Resins:**

- Colour & Appearance : Hazy Yellow Liquid
- Viscosity @ 25C.(cps.) : 1800 - 2200
- Acid Value (mgs. KOH/g.) : 15 - 19
- Specific Gravity @ 25C. : 1.11 - 1.13
- Monomer content (wt.%) : 29 - 33
- Geltime @ 82C. (mts.) : 6 - 10  
(with 1.4% BPO.Powder)

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 120C)

□ Tensile Strength (Kgs/cm <sup>2</sup> )	: 700
□ Elongation at break (%)	: 23
□ Flexural Strength (Kgs./cm. <sup>2</sup> )	: 1200
□ Heat Distortion Temperature (Deg.C)	: 120
□ Barcol hardness	: 40
□ Volume Shrinkage (%)	: 8

### ❖ **Caution**

C'POL 291 is of limited shelf life. Storage at 15-20 °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 3 months from manufacturing date when stored at suggested conditions. Storage at higher temperatures will adversely affect shelf life.

### **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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