

CREST SPECIALITY RESINS PVT. LIMITED

C'POL 30023

Technical Data Sheet dated 25-02-2020

version:05

❖ Product Description:

C'POL 30023 is Isophthalic acid based pre-accelerated, Unsaturated Polyester Fire Retardant resin designed for hand lay-up process which can offer maximum degree of limiting oxygen index, low smoke density.

❖ Salient Features:

The laminates made with this Resin provides excellent fire retardant property along with low toxicity as per the NCD 1409 Standard.

❖ Physical Properties Of Liquid Resins :

- Appearance : Filled liquid.
- Viscosity @ 25° C
(Spindle-2/Rpm-20) : 800 - 1200
- Gellime @ 25° C
(* with 1.5 ml Cat. C) : 10 - 15

* Cat.C - CATALYST - 50 % Solution of MEKP (9% Active Oxygen) (AKZONOBEL BUTANOX M-50)

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

❖ **Fire Retardant Properties (Laminate)**

- ❑ Toxicity Index (NCD 1409) : >1
- ❑ Resistance to Flame Spread (UIC 564-2 APP. 4) : Class A
- ❑ Limiting Oxygen Index (ASTM D 2863 - 13) : 33.55
- ❑ Deterioration of Visibility due to smoke (UIC 564-2 APP. 15) : Class A

❖ **Caution:**

C'POL-30023 is a material of limited shelf life. Storage at 15-20 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 month 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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