OCPOL 711

Ocpol 711 thixotropic, orthophthalic unsaturated polyester resin. The resin is pre-accelerated.
It imparts outstanding water resistance and it is suitable for building boats, water tanks, bath tubs shower trays etc.

Recommendation for Laminating:

Parts by weight:

Ocpol 711	100
Catalyst K 10	2 ml

Applications:

- To start the curing reaction, take 100 parts of resin.

- Catalyst K 10 should be added to the resin system shortly before application to initiate the polymerization reaction.

- It is important to add the catalyst in carefully measured amounts to control the polymerization. Too much catalyst will cause too rapid a gelation time, whereas too little catalyst will result in under cure.

- Care must be taken to avoid explosive violence. Do not mix catalyst and cobalt octate or any accelerator together.

Properties of Liquid Resins:

Appearance.	Cloudy
Color.	Pinkish
Viscosity at 25°C	400 - 500 cps.
(Brookfield , sp. 3@60 rpm	
Gel Time at 25°C	12 – 18 min
Acid value mg KOH/g	< 26
Solid content %	58±2
Specific Gravity at 25°C	1.11 – 1.13
Peak Temperature	>170

Properties of fully cured resins (unfilled casting):

Barcol hardness (Model GYZJ 934 – 1)	43 - 47
Heat deflection temperature°C	63 - 71
Water absorption 24 h at 23°C	16 - 19 mg
Elongation at break at 20°C	1.9 – 2.2 %
Tensile strength Mpa	55 – 65
Flexural strength Mpa	182 - 195
Tensile modulus Mpa	3600 - 3800
Flexural Strength Mpa	182 - 195

Packing:

Ocpol 711 is supplied in 220 Kg new steel drums with close top.

Safety:

Due attention should be given to the precautions for handling chemicals provided in our Material Safety Data Sheet.

Remarks:

The information submitted in this publication is given in good faith but without warranty, In view of the many factors that may affect the application, users are recommended to carry out their own trials to determine the suitability of the product for their practical requirements. We cannot accept responsibility for any damage or loss resulting from the use of this information.

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