



Ocpol 302

Ocpol 302 is a thixotropic-accelerated unsaturated ortho phthalic polyester gelcoat resin. It imparts excellent durability and chemical resistant and can be used in tropical climates. The outstanding water resistance makes it suitable for boats hulls that remain immersed in water. It is also used for the top coat of the laminate.

Recommendation for Laminating:

Parts by weight:

Ocpol 302	100
Catalyst K 10	2 ml

Applications:

- To start the curing reaction, take 100 parts of gelcoat 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 (Brookfield , sp. 5@ 2.5 rpm	40,000-55,000
Gel Time at 25°C	10 - 15
Peak Exotherm Temp°C	175 min.
Acid value mg KOH/g	20±2
Solid content %	65±2
Specific Gravity at 25°C	1.10-1.12

Properties of fully cured resins (unfilled casting):

Barcol hardness (Model GYZJ 934 – 1)	41 - 43
Water absorption 24 h at 23°C	16-18 mg
Elongation at break at 20°C	2.8 – 3.0%
Flexural Modulus Mpa	5200 - 5600
Flexural Strength Mpa	150 - 2170
Heat Deflection Temperature°C	65 - 70

Packing:

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Ocpol 302 is supplied in 220 Kg new steel drums with close top and open 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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