

Product Technical Data PATPOL 32-01

01. Description

PATPOL 32-01 is isophthalic based resin for high mechanical strength application and also for good weathering and chemical resistance properties. We recommend UV (CIBA'S TINUVIN P) for outdoor application minimum 0.4% added along with the resin. Please note that UV added resins are slower in curing and also affects the mechanical strength.

02. Application

For hand lay-up applications

03. Physical data in the liquid state (conforms to IS 6746 – 1994)

Property	Unit	Limits	Test method
Appearance	--	Pale Yellow Clear Liquid	--
Specific Gravity	--	1.095±0.05	--
Viscosity at 25°C - Brookfield LVT (2/30)	Mpa.s (cPs)	300±100	--
Acid Value	Mg KOH/g	16±2	--
Non-Volatiles Content	%	60±2	--
Gel Time @ 30°C*	Minutes	16±2	--
Peak Exotherm	°C	240±10	--
Stability in the dark at 30°C	Months	2	--

*Using 1.5%Co (3%), 1.5% MEKP (50%)

04. Properties of cast resin laminate-AVAILABLE ON REQUEST

05. Post curing

Mature the laminate for 24 hours @ room temperature, followed by post curing @ 60°C for 16 hours or @ 80°C for 3 hours

06. Usage

PATPOL 32-01 performs best if the laminate is completely post cured. The quantity of catalyst and accelerator may be adjusted to get the optimum gel time. Since viscosity increases on the storage, styrene may be added to lower viscosity

07. Storage

PATPOL 32-01 remains stable for 2 months at 30°C in the dark. The stability deteriorates markedly at elevated temperatures, especially when exposed to direct sunlight

08. Packing

PATPOL 32-01 is packed in HDPE carboys (35 kg) & epoxy coated steel drums (225 kgs)

The information provided in this data sheet is to the best of our knowledge. We are not responsible for the accuracy of results obtained by the user, nor do we take any responsibility for any damages resulting from

the use of the data contained herein. We cannot guarantee protection against any possible action arising out of violation of IPR, directly or indirectly caused by the use of information contained herein.