

**Product Technical Data PATPOL 35-01**

**01. Description**

PATPOL 35-01 is isophthalic based resin made for electrical applications like out door insulators to be casted. UV is recommend for the out door application. Resin has proven higher dielectric strength.

**02. Application**

For casting of insulators.

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

<i>Property</i>	<i>Unit</i>	<i>Limits</i>	<i>Test method</i>
Appearance	--	Pale Yellow Clear Liquid	--
Specific Gravity	--	1.13±0.05	--
Viscosity at 25°C - Brookfield LVT (2/30)	Mpa.s (cPs)	400±50	--
Acid Value	Mg KOH/g	14±2	--
Non-Volatiles Content	%	62±2	--
Gel Time @ 30°C*	Minutes	16±2	--
Peak Exotherm	°C	216±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 35-01 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 35-01 remains stable for 3 months at 30°C in the dark. The stability deteriorates markedly at elevated temperatures, especially when exposed to direct sunlight

**08. Packing**

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

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