

**Product Technical Data PATPOL 11-01**

**01. Description**

This is a workhorse resin (ORTHO) suitable for application selected by you. It can be use for a wide variety of FRP articles right up to the largest sizes.

PATPOL 11-01 is a medium reactive resin, which allows a wet on wet build of up to 5mm.

PATPOL 11-01 formulated to provide an adequate bench life, while at the same time providing a relatively rapid after cure and a large cure plateau.

**02. Application**

All Hand lay-up applications.

**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	--	1.100±0.05	--
Viscosity at 25°C - Brookfield LVT (2/30)	Mpa.s (cPs)	300±50	--
Acid Value	Mg KOH/g	16±2	--
Non-Volatiles Content	%	62±2	--
Gel Time @ 30°C*	Minutes	8±2	--
Peak Exotherm	°C	220±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 11-01 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 11-01 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 11-01 is packed in HDPE carboys (35 kg) & epoxy coated steel drums (225 kgs)

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