

**Product Technical Data PATPOL 54-03**

**01. Description**

PATPOL 54-03 is othophthalic based resin specially designed for making high strength pipes using filament winding process.

**02. Application**

For filament winding process.

**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	--	Yellow Viscous Liquid	--
Specific Gravity	--	1.10±0.05	--
Viscosity at 25°C - Brookfield LVT (2/30)	Mpa.s (cPs)	500±50	--
Acid Value	Mg KOH/g	14±2	--
Non-Volatiles Content	%	68±2	--
Gel Time @ 30°C*	Minutes	10±2	--
Peak Exotherm	°C	200±10	--
Stability in the dark at 30°C	Months	2	--

\*Using 1%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 54-03 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 54-03 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 54-03 is packed in 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.