

Product Technical Data PATPOL 34-01

01. Description

This is a ~~isophthalic~~ based high strength/ high ~~maleic~~ resin for Dough Moulding Compounding (DMC). Thickening behavior has been adjusted to the customer's requirement. This is UV Stabilized Product made through 0.4 % (BOR) addition of Benzophenon based additive.

02. Application

~~Dough Moulding Compounding.~~

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	--	1.095±0.05	--
Viscosity at 25°C - Brookfield LVT (2/30)	Mpa.s (cPs)	900±100	--
Acid Value	Mg KOH/g	14±2	--
Non-Volatiles Content	%	65±2	--
Gel Time @ 30°C*	Minutes	18±2	--
Peak Exotherm	°C	210±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 34-01 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 34-01 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 34-01 is packed in HDPE carboys (50 kg) & epoxy coated steel drums (225 kgs)

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