

SPECIFICATION

Type – Unsaturated Polyester Resin

Grade – Hason PTA (Terephthalic Acid)

PROPERTIES OF THE LIQUID RESIN

Sr.	Tests	Result	Method
01	Appearance	Water White	D002
02	Specific Gravity @ 30Deg. C	1.11 $\pm$ 0.02	D001
03	Brookfield @ 25 ° C SP # 2 / 20rpm	350 - 550 Cps	D005
04	*Gel Time	12 $\pm$ 2 Min	D006
05	Exotherm Peak	185 C - 205 C	D006
06	Styrene Content	38 $\pm$ 2%	D003
07	Acid Value	14-20 mg/KOH/gm	D004

Material is Pre accelerated *100 gm Resin +0.5 ml Co (6%)+ 1.5 ml MEKP

PROPERTIES OF THE CURED RESIN

1	Tensile Strength	70 Mpa	ISO 527
2	Elongation at break	4-5 %	ISO 527
3	Flexural Strength	108 Mpa	ISO 178
4	Heat Deflection Temperature	95 C	ISO 75(A)
5	Hardness	40 Barcol	ASTM D 2583