

SPECIFICATION

Type – Unsaturated Polyester Resin

Grade – Hason SMC/DMC

PROPERTIES OF THE LIQUID RESIN

Sr.	Tests	Result	Method
01	Appearance	Clear Pale Yellow	D002
02	Specific Gravity @ 30Deg. C	1.14 $\pm$ 0.02	D001
03	Brookfield @ 25 ° C SP # 2 / 20rpm	750 - 1050 Cps	D005
04	*Gel Time	12 $\pm$ 4 Min	D006
05	Exotherm Peak	160 C - 170 C	D006
06	Styrene Content	33 $\pm$ 2%	D003
07	Acid Value	25 $\pm$ 4 mg/KOH/gm	D004

Material is Pre accelerated *100 gm Resin +1.3 % TBPB @ 140 C

PROPERTIES OF THE CURED RESIN

1	Tensile Strength	45 Mpa	ISO 527
2	Elongation at break	2.0 %	ISO 527
3	Flexural Strength	80 Mpa	ISO 178
4	Heat Deflection Temperature	70 C	ISO 75(A)
5	Hardness	38 Barcol	ASTM D 2583