

SPECIFICATION

Type – Unsaturated Polyester Resin

Grade – Hason QR (Engineering Stone)

PROPERTIES OF THE LIQUID RESIN

Sr.	Tests	Result	Method
01	Appearance	Water White	D002
02	Specific Gravity @ 25Deg. C	1.11 $\pm$ 0.02	D001
03	Brookfield @ 25 ° C SP # 2 / 20rpm	650 $\pm$ 50 Cps	D005
04	*Gel Time	8 $\pm$ 3 Min	D006
05	Exotherm Peak	210 C $\pm$ 10	D006
06	Styrene Content	30-32 %	D003
07	Acid Value	20 $\pm$ 5 mg/KOH/gm	D004

Material is Pre accelerated *100 gm Resin + 0.3 ml Co (6%) + 0.6 ml Trigonex 21 S

PROPERTIES OF THE CURED RESIN

1	Tensile Strength	60 Mpa	ISO 527
2	Elongation at break	8.0 %	ISO 527
3	Flexural Strength	85 Mpa	ISO 178
4	Heat Deflection Temperature	60 C	ISO 75(A)
5	Hardness	40 Barcol	ASTM D 2583