

MAX GRE

PHYSICAL PROPERTIES AND MECHANICAL PROPERTIES

Density	1.10 G/CC
Form and Color	Clear Liquid
Viscosity	2500-3000 cPs @ 25°C Mixed
Mix Ratio	50 Parts "B" to 100 Parts "A" By Weight
Working Time	45 – 50 Minutes @ 25°C (100 Gram Mass)
Peak Exotherm	70°C (100 Gram Mass)
Thin Film Set Time	4 to 6 Hours
Handle Time	8 Hours
Cure Time	2 to 7 days @ 25°C or
Accelerated Cure Time	8 hours at room temperature plus 1 hours at 100°C
Hardness	80 ± 5 Shore D,
Tee-Peel Strength	3.4 Lbs. per inch Width

Tensile Shear Strength	2,935 psi @ 25°C
	1,970 psi @ -40°C
	1250 psi @ 100°C
Elongation	3.0% @ 25°C
Flexural Strength	13,000 psi
Flexural Modulus	344,000 psi
Heat Deflection Temp.	110°C

**CHEMICAL RESISTANCE PERFORMANCE
FULL IMMERSION
MEASURED PERCENT CHANGE IN WEIGHT**

REAGENT	10 days	28 days
Deionized Water	0.19 %	0.13 %
Sea Water	0.11 %	0.18 %
Methanol	3.93 %	-2.41 %
Ethanol	1.98 %	1.28 %
Toluene	0.40 %	2.86 %
Xylene	0.04 %	0.05 %
Gasoline (15% Ethanol contentE-85)	0.10 %	.17 %
MEK	Destroyed	Destroyed
10% Lactic Acid	1.81 %	5.42 %
10% Acetic Acid	0.11 %	0.45 %
70% Sulfuric Acid	0.08 %	0.14 %
50% Sodium Hydroxide	0 %	0.1 %
10% Sodium Hypochlorite	0.51 %	1.36 %