

## MAX CLR HP(High Performance)

### PHYSICAL PROPERTIES AND MECHANICAL PROPERTIES

Density	1.10 G/CC
Form and Color	Clear Liquid
Viscosity	2,800 – 3,200 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 8 hours at room temperature plus 1 hours at 100°C
Hardness	80 ± 5 Shore D,
Tee-Peel Strength	5.7 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 at 30°C**

REAGENT	3 days	28 days
Deionized Water	0.49	1.50
Sea Water	0.11	0.98
Methanol	7.93	-2.41
Ethanol	3.98	10.28
Toluene	0.40	2.86
Xylene	0.04	0.05
Butyl Cellosolve	16.63	5.31
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
10% Sodium Hypochlorite	0.51	1.36

**SPECIMEN CURE CYCLE 7 days @ 25°C plus 1 hours at 100°C**

**1 CUBIC INCH SPECIMEN SIZE**