

## POLYURETHANE 90

SPECIFICATION – ASTM D2000 M6BG910 A14 B14 EO14 EO34	Test	Spec
<b>Physical Properties</b>		
<b>Press Cure at 170°C for 10 mins</b>		
<b>Post Cure at 120°C for 1 hour</b>		
Hardness, shore A	92	90 +/-5
Tensile, strength, MPa	15.4	10
Elongation, %	123	100
Specific Gravity	1.219	
<b>Heat Ageing at 100°C for 70 hrs</b>		
Hardness change, points	+1	+15
Tensile strength change, %	-2	-20
Elongation Change, %	-11	-40
<b>Compression Set</b>		
<b>Heat Ageing at 100°C for 22 hrs</b>	20	25
<b>Fluid Resistance, test method No.1 oil at 100°C for 70 hrs</b>		
Hardness Change, points	-4	-5/+15
Tensile strength change, %	-17	-25
Elongation change, %	-37	-45
Volume change, %	+1.9	-10/+5
<b>Fluid Resistance, test method No.3 oil at 100°C for 70 hrs</b>		
Tensile strength change, %	-45	-35
Elongation change, %	-44	-45
Volume change, %	+25	0/+35

The above data is obtained through our own laboratory testing on slabs and buttons and als D2137