

WHITE SILICONE 70

SPECIFICATION – ASTM D2000 M7GE705 A19 B37 EO16 EO36		Test	Spec
Physical Properties			
Press Cure at 170°C for 10 mins			
Post Cure at 200°C for 4 hrs			
Hardness, shore A		71	70 +/-5
Tensile, strength, MPa		5.2	5
Elongation, %		184	150
Specific Gravity		1.305	
Heat Resistance at 225°C for 70 hrs			
Hardness Change, points		0	+/-10
Tensile Strength Change, %		-2	-25
Elongation change, %		-3	-30
Compression Set			
Press Cure at 170°C for 20 mins			
Post Cure at 200°C for 4 hrs			
Heat Ageing at 175°C for 22 hrs		17	30
ASTM No.1 Oil Immersion at 150°C for 70 hrs			
Hardness Change, points		-3	0/-15
Tensile Change, %		-19.4	-20
Elongation Change, %		-17	-20
Volume Change, %		+4	0/+15
ASTM IRM 903 Oil Immersion at 150°C for 70 hrs			
Hardness Change, points		-19	-40
Volume Change, %		+22	+60
Low Temperature Brittleness, tests at -50°C for 3 mins		Non Brittle	

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