

RED SILICONE 70

SPECIFICATION - ASTM D2000 M7GE705 A19 B37 EA14 EO16 EO36 F19	Test	Spec	ATSM Method
Original Properties			
Hardness, Shore A, Type A	67	70 +/-5	D 2240
Tensile Strength, min, MPa	6	5	D 412
Elongation, min, %	252	150	D 412
Specific Gravity	1.44	Report	
Heat Ageing, 70 hours at 225°C			D 573
Hardness Change, max, points	+4	+10	
Tensile Change, max, %	-5	-25	
Elongation change, max, %	-30	-30	
Compression Set, Method B			D 395
22 hrs at 175 deg c, max, %	19	30	
Water Resistance, 70 hrs at 100°C			D 471
Hardness Change, points	-2	+/- 5	
Volume change, %	+1	+/- 5	
IRM 901 Oil Resistance, 70 hours at 150°C			D 471
Hardness Change, points	-5	0 to -15	
Tensile Change, max, %	-1	-20	
Elongation Change, max, %	-19	-20	
Volume Change, %	+4	0 to +15	
IRM 903 Oil Resistance, 70 hours at 150°C			D 471
Hardness Change, max, points	-18	-40	
Volume Change, max, %	+42	+60	
Low Temperature resistance			D 2137
Non brittle after 3 mins at -55°C	Pass	Pass	

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