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FLUOROSILICONE 70

SPECIFICATION - ASTM D2000 M2HK606 A19 FE31 EO36	Test	Spec	ASTM Method
Original Properties			
Hardness, shore A	68	70+/-5	D 2240
Tensile, strength, MPa	7.6	6	D 412
Elongation, %	285	150	D 412
Heat Ageing, 70 hrs at 225°C			**D 573**
Hardness Change, max, points	+1	-5/+10	
Tensile Change, max, %	-25	-25	
Elongation Change, max, %	-15	-25	
Compression Set, Method B			**D 395**
22 hrs at 175 deg c, max, %	6	40	
Fuel C Resistance, 70 hrs at 23°C			**D 471**
Hardness change, max points	-2	-	
Tensile Change, max, %	-6	-	
Elongation Change, max, %	+4	-	
Volume Change, max, %	+9	-	
IRM 903 Oil Resistance, 70 hrs at 150°C			**D 471**
Hardness change, max points	-2	-	
Tensile Change, max, %	-26	-	
Elongation Change, max, %	-6	-	
Volume Change, max, %	+10	-	
Low Temperature Brittleness			**D 471**
Tests after 3 mins at -55°C	pass	NONBRITTLE	
TR10	-56.3		

Compression Set = 70 hours at 100 C = 5%

Density is Specific Gravity = 1.46+/-0.03

Temperature ranges -60°C to +200°C

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