

SK701 (VMQ)

Material Properties

Specification: ASTM D2000 M5GE706 A19 B37 EO16 EO36 F19

Recommended Service Temperature: -40 F to 302 F (-40 C to 150 C)

Original Properties	Specification	SK701
Hardness, Shore A	70±5	73
Tensile Strength, PSI	870 (min)	1142
Ultimate Elongation, %	150 (min)	178
Tear Strength (kg/cm)	10 (min)	20
Specific Gravity	1.31±0.02	1.31

Heat Resistance - A19 (70 hrs @ 225 C)		
Hardness Change, points	+10 (max)	+1
Tensile Strength Change, %	-25 (max)	-14
Elongation Change, %	-30 (max)	-13

Compression Set, % - B37 (22 hrs @ 175 C)		
Permanent Set, %	+25 (max)	+9

Fluid Resistance, ASTM #1 Oil - EO16 (70 hrs @ 150 C)		
Hardness Change, points	0 to -15	-5
Tensile Strength Change, %	-20 (max)	+7
Elongation Change, %	-20 (max)	-6
Volume Change, %	0 to +10	+4

Fluid Resistance, IRM 903 Oil - EO36 (70 hrs @ 150 C)		
Hardness Change, points	-30 (max)	-19
Tensile Strength Change, %		-8
Elongation Change, %		-9
Volume Change, %	+60 (max)	+30

Low Temperature Resistance - F19 (3 min @ -55 C)		
Brittleness	Non-brittle	Pass

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