

PK701 (ACM)

Material Properties

Specification: ASTM D2000 M3DH710 A26 B36 EO16 EO36

Recommended Service Temperature: -13 F to 302 F (-25 C to 150 C)

Original Properties	Specification	PK701
Hardness, Shore A	70±5	70
Tensile Strength, Mpa	10 (min)	10.4
Ultimate Elongation, %	200 (min)	221
Tear Strength (kg/cm)		30
Specific Gravity		1.41

Heat Resistance - A26 (70 hrs @ 150 C)

Hardness Change, points	+10 (max)	+3
Tensile Strength Change, %	-25 (max)	+4
Elongation Change, %	-30 (max)	-2
Volume Change, %		-1

Compression Set, % - B36 (22 hrs @ 150 C)

Permanent Set, %	+50 (max)	+38
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Fluid Resistance, ASTM #1 Oil - EO16 (70 hrs @ 150 C)

Hardness Change, points	-5 to +10	0
Tensile Strength Change, %	-20 (max)	+6
Elongation Change, %	-30 (max)	-7
Volume Change, %	-5 to +5	-1

Fluid Resistance, IRM 903 Oil - EO36 (70 hrs @ 150 C)

Hardness Change, points	-15 (max)	-8
Tensile Strength Change, %	-30 (max)	-5
Elongation Change, %	-30 (max)	+5
Volume Change, %	+25 (max)	+10