

HK804 (HNBR)

Material Properties

Specification: ASTM D2000 M4DH820 A26 B36 EO16 EO36 F17
Recommended Service Temperature: -40 F to 302 F (-40 C to 150 C)

Original Properties	Specification	HK804
Hardness, Shore A	80±5	81
Tensile Strength, psi	2900 (min)	3210
Ultimate Elongation, %	150 (min)	319
Tear Strength (kg/cm)	50 (min)	72
Specific Gravity	1.34±0.02	1.344
Heat Resistance - A26 (70 hrs @ 150 C)		
Hardness Change, points	+10 (max)	+3
Tensile Strength Change, %	-15 (max)	+5
Elongation Change, %	-25 (max)	-20
Compression Set, % - B36 (22 hrs @ 150 C)		
Permanent Set, %	+35 (max)	+24
Fluid Resistance, ASTM #1 Oil - EO16 (70 hrs @ 150 C)		
Hardness Change, points	-5 to +10	+4
Tensile Strength Change, %	-20 (max)	+9
Elongation Change, %	-30 (max)	-19
Volume Change, %	-10 to +5	-3
Fluid Resistance, IRM 903 Oil - EO36 (70 hrs @ 150 C)		
Hardness Change, points	-15 (max)	-8
Tensile Strength Change, %	-40 (max)	+1
Elongation Change, %	-30 (max)	-6
Volume Change, %	+25 (max)	+14