

# 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

The information contained herein is believed to be reliable, but no representation, guarantees or warranties of any kind are made to its accuracy or suitability for any purpose. The information presented herein is based on laboratory testing and does not necessarily indicate product performance. Full scale testing and product performance are the responsibility of the user.



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