



**equalseal.com**

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## Cork and Nitrile

Cork and Nitrile is a blend of high quality grade of cork and nitrile rubber, which has high oil, aromatic fuel, and solvent resistance. Each grade of our H-series has the ability to be certified to AMS-C-6183 (MIL-C-6183) Grade B Class 1.



**Cork and  
Nitrile Rubber**

Cork and Nitrile	Physical Properties
Binder (ASTM D2000)	Nitrile
Service Temperature	-40 to 250 ° F
Density (ASTM D3676)	38.1 lb./cu. ft.
Tensile Strength (ASTM F152) psi min.	250 psi
Compression at 400 psi (ASTM F36)	25 to 35 %
Recovery (ASTM F36) Minimum (%)	75 %
Durometer Shore A	65 to 75
Flexibility (ASTM F147)	3 Max
Fluid Immersion (ASTM F146) 70 hrs at 212°F Oil #1 volume increase	-5 to 10 %
Fluid Immersion (ASTM F146) 70 hrs at 212°F Oil #3 volume increase	15 to 50 %
Thickness Increase (ASTM F146) Fuel A at room temperature	0 to 15 %
Compression Set B (ASTM D395) 25% deflection, 22 hrs at 158°F	80 %
ASTM F104 Line Call Out	ASTM F104-88