



Cork/Nitrile Gasket Material

Product Code: Style 6210
 Description: General Purpose Cork/NBR Gasket Material
 Specifications: Temperature range 250°F maximum

<u>Typical Properties</u>	<u>ASTM Method</u>	<u>Typical Value</u>
Color	Visual	Brown/Black
Hardness (Shore A)	ASTM D2240	50 – 70
Density (kg/m ³)	ASTM F1315	640 min.
Tensile Strength (Mpa)	ASTM F36	1.38 min.
Compressibility (400 psi), (%)	ASTM F36	30 -50
Recovery, (%)	ASTM F36	80% min.
Flexibility, initial (F=5)	ASTM F147	No Crack
Compression Set, Method A, 22 hrs., 70C (%)	ASTM D395	35 max

<u>Properties After Aging:</u>	<u>ASTM Method</u>	<u>Typical Value</u>
Volume Change, ASTM #1, 70 hrs. @ 100C (%)	ASTM F146	-10 to +10
Volume Change, IRM 903, 70 hrs. @ 100C (%)	ASTM F146	0 to +15
Volume Change, Fuel A, 22 hrs. @ RT (%)	ASTM F146	-5 to +10

Uses for Cork/Nitrile (NBR):

Thermodyn’s Cork/Nitrile (NBR) gasket material is ideal for applications with poor sealing conditions. The compressibility of the material performs well in low torque or bolt pressure flange gaskets, particularly in lower pressure service. As a general rule the combination of cork and Nitrile is designed for use as a low pressure flange material, sealing surfaces maybe uneven, and additional oil resistance may be required.

Good end use applications for Cork/Nitrile include service in oil our fuel type environments like general seal covers, crank cases on industrial equipment, sumps pump seals, case covers, industrial inspection doors, machine valve covers, transformers & switchgear, and industrial lid applications.

Notes on Cork/Nitrile:

Cork/Nitrile or Nitrile bonded cork displays improved properties in oil resistance and is relatively inexpensive compared to other sealing material options. The combination of Nitrile and cork seal well at low bolt torque and flange pressures. It service temperature typically reaches 250°F.

Thermodyn products are manufactured to general RMA standards and meet the above data sheet guidelines. It is the responsibility of the end user to qualify the material to its intended application. Defects or damage resulting from misuse or mishandling are not covered by Thermodyn’s limited liability policy. Values covered in this data sheet are nominal values that we believe to be accurate and reliable for purposes of qualification in end use applications.

