

Style 9200

MATERIAL PROPERTIES*:

Color:	Black
Composition:	Nitrile rubber reinforced with a proprietary nylon insert ⁽²⁾ NOT RECOMMENDED FOR USE AS A DIAPHRAGM
Durometer, Shore A, (+/- 5):	70
Temperature¹, °F (°C)	
Minimum:	-20 (-29)
Maximum:	+250 (+121)
Pressure¹, (psig (bar)):	
Preferred operating:	150 (10)
Maximum:	250 (17)
Maximum Test Pressure:	400 (27) at 1200 psi gasket stress
Finish Available	
Through 1/8"	Cloth
Over 1/8"	Smooth
Number of Plies, 1/16" & 1/8":	1
Meets Specifications:	ABS (American Bureau of Shipping)

TYPICAL PHYSICAL PROPERTIES*:

ASTM D412	Tensile Strength, psi (N/mm²):	2000 (14)
ASTM D412	Elongation, %:	250
ASTM D395 B	Compression Set, 25% Deflection, Max. %	
	22 hours at 158°F (70°C):	50
ASTM D149	Dielectric Properties, range, volts/mil.	
	Sample conditioning	<u>1/8"</u>
	None	8
ASTM F586	Design Factors	
	"m" factor:	1.25
	"γ" factor, psi (N/mm ²):	400 (2.8)
ASTM D2000⁽³⁾	Line Call Out:	2BG720EA14E014 ⁽³⁾

IMMERSION PROPERTIES*

ASTM D471	Volume Change in ASTM #1 Oil, Range %	
	70 hours at 212°F (100°C):	-10 to 5

Notes:

* This is a general guide and should not be the sole means of selecting or rejecting this material. Values do not constitute specification limits.

¹ When approaching maximum pressure and/or temperature, minimum temperature or 50% of maximum P×T, consult Garlock Applications Engineering. Minimum temperature rating is conservative.

² Special insert completely eliminates weepage through the insert

³ ASTM D2000 line call out is based on testing performed on slabs made to ASTM D412. For rubber compound only, not the fabric.

REV: 12/12/16