

Style 9122

MATERIAL PROPERTIES*:

Color:	Black
Composition:	Nitrile rubber
Durometer, Shore A, (+/- 5):	60
Temperature¹, °F (°C)	
Minimum:	-20 (-29)
Maximum:	+250 (+121)
Pressure¹, (psig (bar)):	
Preferred operating:	150 (10)
Maximum:	250 (17)
P x T (max.)¹, psig x °F (bar x °C):	20,000 (600)
Finish Available	
Through 1/8"	Cloth
Over 1/8"	Smooth

TYPICAL PHYSICAL PROPERTIES*:

ASTM D412	Tensile Strength, psi (N/mm²):	2000 (14)
ASTM D412	Elongation, %:	500
ASTM D395 B	Compression Set, 25% Deflection, Max. %	
	22 hours at 212°F (100°C):	20
ASTM F586	Design Factors	
	“m” factor:	0.5
	“y” factor, psi (N/mm ²):	0 ⁽⁴⁾
ASTM D2000⁽³⁾	Line Call Out:	5BG620A14B14EA14E014E034

IMMERSION PROPERTIES*

ASTM D471	Volume Change in ASTM #1 Oil, Range %	
	70 hours at 212°F (100°C):	-10 to 5
ASTM D471	Volume Change in ASTM #3 Oil, Range %	
	70 hours at 212°F (100°C):	0 to 25

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 PxT, consult Garlock Applications Engineering.

Minimum temperature rating is conservative.

³ ASTM D2000 line call out is based on testing performed on slabs made to ASTM D412.

⁴ Garlock Applications Engineering has historically recommended a suggested "Y" value of 100psi (0.7N/mm²) for these elastomers.

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