

Style 8314

MATERIAL PROPERTIES*:

Color:	Black
Composition:	EPDM
Durometer, Shore A, (+/- 5):	60
Temperature¹, °F (°C)	
Minimum:	-40 (-40)
Maximum:	300 (150)
Pressure¹, (psig (bar)):	
Preferred operating:	150 (10)
Maximum:	250 (17)
P x T (max.)¹, psig x °F (bar x °C):	30,000 (900)
Finish Available	
Through 1/8"	Cloth
Over 1/8"	Smooth

TYPICAL PHYSICAL PROPERTIES*:

ASTM D412	Tensile Strength, psi (N/mm²):	1200 (8.2)
ASTM D412	Elongation, %:	300
ASTM D395 B	Compression Set, 25% Deflection, Max. % 22 hours at 158°F (70°C):	25
ASTM D149	Dielectric Properties, range, volts/mil.	
	Sample conditioning	<u>1/8"</u>
	None	4
ASTM F586	Design Factors	
	"m" factor:	0.50
	"y" factor, psi (N/mm ²):	0 ⁽²⁾

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.

² Garlock Applications Engineering has historically recommended using a "y" values of 100 psi (0.7 N/mm²) when performing flange calculations for lower durometer elastomers.

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

REV: 11/9/16