

Style 8316

MATERIAL PROPERTIES*:

Color:	Off-white
Composition:	EPDM Rubber
Durometer, Shore A, (+/- 5):	60
Temperature¹, °F (°C)	
Minimum:	-40 (-400)
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
Meets Specifications:	FDA ⁽⁵⁾

TYPICAL PHYSICAL PROPERTIES*:

ASTM D412	Tensile Strength, psi (N/mm²):	2002 (14)
ASTM D412	Elongation, %:	468
ASTM D395 B	Compression Set, 25% Deflection, Max. %	
	22 hours at 158°F (70°C):	33.3
	22 hours at 212°F (100°C):	62.6
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 ⁽⁴⁾
ASTM D2000⁽³⁾	Line Call Out:	AA610Z1

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.

⁵ Style 8316 is in compliance with FDA regulations (21CFR177.2600) for service against aqueous (water based) foods, but not for fatty-type foods or milk.

REV: 12/12/16