Garlock
SEALING TECHNOLOGIES®
an EnPro Industries company

Garlock 8316

MATERIAL PROPERTIES*

Color:	Off-white
Composition:	EPDM Rubber
Durometer, Shore A, +/- 5:	60
Temperature[2], °F (°C)	
Minimum:	-40 (-40)
Maximum:	+300 (+150)
Pressure[2], Maximum, psig (bar):	250 (17)
P x T (max.)[2], psig x °F (bar x °C):	30,000 (900)
Finish Available	
Thru 1/8":	Cloth
Over 1/8":	Smooth
Meets Specification:	FDA[1]

PHYSICAL PROPERTIES*

ASTM D412	**Tensile Strength**, psi (N/mm^2):	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	1/8"
	None	4
ASTM F586	**Design Factors**	
	"m" factor:	0.50
	"y" factor, psi (N/mm^2):	0[(3)]
ASTM D2000	**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] 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.

[2] When approaching the maximum or minimum ratings consult Garlock Applications Engineering

[3] Garlock Applications Engineering has historically recommended a suggested "Y" value of 100psi (0.7N/mm^2) for these elastomers.