



Garlock 7797

MATERIAL PROPERTIES*

Color:	Black
Composition:	Neoprene rubber
Durometer, Shore A, +/- 5:	80
Temperature², °F (°C)	
Minimum:	-20 (-29)
Maximum:	+250 (+121)
Pressure², Maximum, psig (bar):	250 (17)
P x T (max.)², psig x °F (bar x °C):	20,000 (600)
Finish Available	
Thru 1/8":	Cloth
Over 1/8":	Smooth
Meets Specification:	MIL-R-3065 and MIL-Std. 417 Type S Grade SC815 A1 E3 E5

PHYSICAL PROPERTIES*

ASTM D412	Tensile Strength, psi (N/mm²):	1500 (10)
ASTM D412	Elongation, %:	125
ASTM D395 B	Compression Set, 25% Deflection, Max. %	
	70 hours at 212°F (100°C):	75
ASTM F586	Design Factors	
	"m" factor:	1
	"y" factor, psi (N/mm ²):	200 (1.4)
ASTM D2000	Line Call Out:	4BC815A14E014E034G21

IMMERSION PROPERTIES*

ASTM D471	Volume Change in ASTM #1 Oil, Range %	
	70 hours at 212°F (100°C):	-7 to 0
ASTM D471	Volume Change in ASTM #3 Oil, Range %	
	70 hours at 212°F (100°C):	45 to 60

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

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