

Style 9450

MATERIAL PROPERTIES*:

Color:	Black
Composition:	Carbon fibers with a nitrile binder
Fluid Services (see chemical resistance guide):	Saturated steam ² , water, oils, gasoline, aliphatic hydrocarbons and most refrigerants
Temperature¹, °F (°C)	
Minimum:	-100 (-75)
Continuous Max:	+575 (+302)
Maximum:	+900 (+482)
Pressure¹, Maximum, psig (bar):	2000 (70)
P x T (max.)¹, psig x °F (bar x °C):	
1/32 and 1/16":	550,000 (19,600)
1/8"	275,000 (9,600)

TYPICAL PHYSICAL PROPERTIES*:

ASTM F36	Compressibility , range, %:	8
ASTM F36	Recovery , %:	50
ASTM F38	Creep Relaxation , %:	30
ASTM F152	Tensile , Across Grain, psi (N/mm ²):	1700 (11.7)
ASTM F1315	Density , lbs./ft. ³ (grams/cm ³):	110 (1.76)

SEALING CHARACTERISTICS*

	ASTM F37B – Fuel A	ASTM F37B - Nitrogen	DIN 3535 – Nitrogen
Gasket Load , psi (N/mm ²):	500 (3.5)	3000 (20.7)	4640 (32)
Internal Pressure , psig (bar):	9.8 (0.7)	30 (2)	580 (40)
Leakage	0.6 ml/hr.	1.2 ml/hr.	0.2 cc/min

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