

Leader Style 978-C

Compressed Fiber Sheet

DESCRIPTION

Style 978-C is a dense, aramid/inorganic Fiber reinforced, compressed, NBR sheet with special, high-temperature, anti-stick coating applied to both sides. Its high strength and excellent resistance to hot creep and broad chemical resistance make it an ideal high performance gasket material. Black in color.

APPLICATION

Piping, machinery, and equipment containing water, steam, petroleum based liquids, gases and mild acids or alkalines. It may also be used in most solvents excluding MEK and solvents with high aromatic content. 978-C also has excellent sealability in ethylene glycol coolants and silicone fluids.

CHEMICAL COMPATIBILITY

Consult the Leader Engineering team for chemical compatibility.

AVAILABLE OPTIONS

Standard stock sheet sizes are available in 60" x 60" and 60" x 120". Standard stock sheet thicknesses available are 1/64", 1/32", 1/16", and 1/8". Special thicknesses are available upon request.

TECHNICAL DATA	
Maximum Temperature [°F]	400
Max Pressure [psi]	1000
Density [g/cm ³]	1.8
M-Value	3
Y- Value [psi]	3000
ASTM F36 Recovery [% min]	40
Gasket Required Flange Roughness [Ra micron]	3.2-6.3
Gasket Required Flange Roughness [RMS]	125-250
Tensile Strength (across the grain) DIN 52910 [N/mm]	>12
Recommended Seating Stress at Assembly [psi]	4000
ROTT [Gb]	1403
ROTT [a]	0.337
ROTT [Gs]	0.29
Max P x T	500000
Compressibility, [ASTM F36], [%]	7-17
ASTM F37 Sealability [ml/min] Sg=1000 psi=30	0.04
BS 7531 Gas Leakage [ml/min]	<1.0
ASTM F38 Creep Relaxation [%]	21
BS 7531 Residual Stress [MPa]	20.8

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TECHNICAL DATA	
ASTM F152 Average Tensile [psi]	2300
ASTM F146 Fuel B @ 70-85°F Thick. Increase [%]	0-10
IRM 903 @ 300°F Thickness Increase [%]	0-10
ASTM Fuel B @ 70-85°F Weight Increase [%]	15 max.
Rubber Binder	NBR