

# Leader Style 976

## Compressed Fiber Sheet

### DESCRIPTION

Purple in color and manufactured with CR (Neoprene)/Aramid Fiber.

### APPLICATION

976 is designed for Freon refrigerants and high aniline point oils. It is also recommended for applications in ammonia gas, fuels, mild acids, mild alkalis, water and silicate esters.

### 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/cm3]	1.85
M-Value	2
Y- Value [psi]	4350
ASTM F36 Recovery [% min]	50
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
Max P x T	250000
Compressibility, [ASTM F36], [%]	7-17
ASTM F37 Sealability [ml/min] Sg=1000 psi=30	0.01
BS 7531 Gas Leakage [ml/min]	<1.0
ASTM F38 Creep Relaxation [%]	20
BS 7531 Residual Stress [MPa]	21
ASTM F152 Average Tensile [psi]	2000
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 [%]	20 max.
Rubber Binder	CR

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