SPECIFICATION
SHEET
September 2006

DURLON® 7900/7925/7950

Aramid with NBR Rubber Binder
COMPRESSED SHEET GASKET MATERIAL
ASTM F104: F712120-A9B3E22K5L151M5

APPLICATION:

An economy grade general service compressed sheet with NBR rubber binder for mild service in piping and equipment and OEM applications in steam, hydrocarbons and refrigerants. An economical alternative when service ranges and applications are not severe.

COMPOSITION:

DURLON® 7900, 7925 and 7950 contain high-strength aramid fibers bonded with high-grade Nitrile (NBR) rubber.

ANTI-STICK PROPERTIES:

Much effort has gone into improving the anti-stick release agents of all compressed DURLON® products. All DURLON® compressed gasket materials have passed the MIL-G-24696B Navy Adhesion Test (366°F/48 hrs).

TYPICAL PROPERTIES:

Color:	Style 7900 - Off-White, branded Style 7925 - Green, branded Style 7950 - Blue, branded
Fiber:	Aramid
Binder:	Nitrile (NBR)
Fluid Services:	Steam, Water, Inert Gases, Oils, Fuels, Dilute Acids & Alkalis
Density:	1.7 g/cm^3 (106 lbs./ft^3)
Tensile Strength, ASTM F152:	1600 psi (11.0 MPa)
Compressibility, ASTM F36:	7 to 17%
Recovery ASTM F36:	40%
Temperature Range: Continuous, max:	 -100 to 700°F (-73 to 371°C) 400°F (204°C)
Pressure, max:	1000 psig (70 bar)
Fluid Resistance - ASTM F146 IRM 903 oil, 5 h/300°F (149°C) Thickness Increase: Weight Increase: ASTM Fuel B 5 h/70°F (21°C) Thickness Increase: Weight Increase:	 0 to 15% 15% 0 to 10% 12%
Sealability ASTM F37 (Fuel A): ASTM F37 (Nitrogen):	 0.03 mL/hr 0.5 mL/hr
Dielectric Breakdown, ASTM D149:	11.0 kV/mm (279 V/mil)
DIN 3535 Gas Permeability:	0.05 cc/min
Creep Relaxation ASTM F38:	20%
Flexibility, ASTM F147:	10x

Note: ASTM properties based on 1/16" sheet thickness except ASTM F38, which is based on 1/32" sheet thickness. This is a general guide only and should not be the sole means of accepting or rejecting this material. The data listed here falls within the normal range of product properties but should not be used to establish specification limits nor used alone as the basis of design.

*For applications above Class 300, consult your representative.