

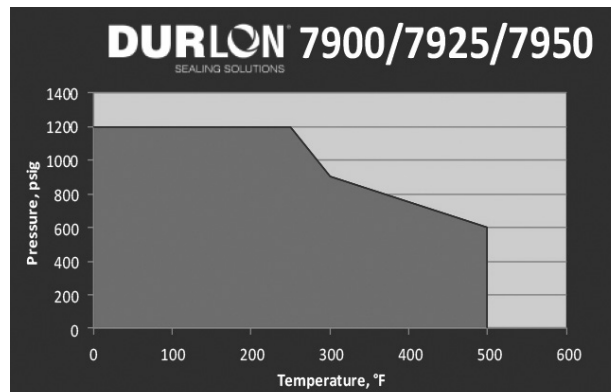
Aramid with NBR Rubber Binder Compressed Non-Asbestos Gasket Material ASTM F104: F712120-A9B3E22K5L151M5

Colour	Off White
Fiber System	Aramid/Inorganic
Binder	NBR
Temperature: Min Max Continuous, Max	-73°C (-100°F) 371°C (700°F) 260°C (500°F)
Pressure, max, bar (psi)	83 (1,200)
Density, g/cc (lbs/ft³)	1.7 (106)
Compressibility, %	7-17
Recovery, %	40
Creep Relaxation, %	20
Tensile Strength, MPa (psi)	11 (1,600)
Sealability, cc/min, ml/hr ASTM 2378 (Nitrogen) ASTM F37 (Fuel A) ASTM F37 (Nitrogen)	0.05 0.03 0.5
Fluid Resistance, ASTM F146 IRM 903 Oil 5hrs at 300°F Thickness Increase, % Weight Increase, % ASTM Fuel B 5hrs at 70°F Thickness Increase, % Weight Increase, %	0-15 15 0-10 12
Flexibility, ASTM F147	10x



Durlon® 7900 is an economy grade general service gasket sheet material made with NBR (Nitrile Bonded Rubber) binder for mild service in piping and equipment with applications in steam, hydrocarbons and refrigerants and an alternative when temperature and pressure conditions are below 500°F (260°C) and 1200 psig (See PxT chart below for validation).

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/48hrs).



Note: ASTM properties are 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 specifications limits nor used alone as the basis of design. For applications above Class 300, contact our technical department.

Gasket Factors		
	1/16"	1/8"
m	3.0	3.2
Y psi (MPa)	3,347 (23.1)	3,385 (23.3)
G _b psi (MPa)	497 (3.4)	486 (3.4)
a	0.226	0.276
G _s psi (MPa)	3 (0.02)	0.4 (0.003)

Warning: Durlon® gasket materials should never be recommended when both temperature and pressure are at the maximum listed. Properties and applications stated are typical. No applications should be undertaken by anyone without independent study and evaluation for suitability. Never use more than one gasket in one flange joint and never reuse a gasket. Improper use or gasket selection could cause property damage and/or serious injury. Data reported is a compilation of field testing, field service reports and/or in-house testing. While the utmost care has gone into publishing the information contained herein, we assume no responsibility for errors. Specifications and information contained in this flyer are subject to change without notice. This edition cancels and obsoletes all previous editions.