DURLON®
SEALING SOLUTIONS

7760 (DuraSwell)

Aramid/Inorganic with SBR Rubber Binder Compressed Non-Asbestos Gasket Material ASTM F104: F722990-B5E09L100M9

Physical Properties	
Color	Off-White
Fiber System	Synthetic
Proprietary SBR Blend	SBR Blend
Temperature: Min Max Continuous, Max	-73°C (-100°F) 344°C (650°F) 205°C (400°F)
Pressure, max, bar (psi) Continuous, bar (psi)	69 (1,000) 34.5 (500)
Density, g/cc (lbs/ft³)	1.65 (103)
Compressibility, %	7-17
Recovery, %	50
Creep Relaxation, %	<30
Tensile Strength, MPa (psi)	14.8 (2,100)
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, %	 <75 <50 15-30 <30
Nitrogen Sealability, ASTM 2378	0.01 cc/min
Flexibility, ASTM F147	4x

Certifications	
RoHS Reach Declaration	Compliant

A gasket material for demanding applications that require excellent sealability, conformity to flange surface imperfections and material recovery. The material is designed to swell when in contact with oils and fuels. This helps increase the gasket stress for applications that require increased gasket loading that may previously be limited, due to insufficient bolting or flange constraints. Applications include water, fuel, oils, coolants and heavy duty equipment; oil pan covers, gear case and flywheel housing.

BENEFITS:

- Superior sealing of uneven flange surfaces
- Excellent bolt torque retention
- Tight seal for low bolt load applications
- Ideal for compressors, gear boxes, and transformers
- Better and longer performance life than elastomer gaskets
- Will not weep – controlled cure process finished the cure cycle after fluid absorption and swell on the ID exposed area
- Seals tighter and accepts higher system pressure than vegetable fiber gaskets
- Controlled swell – engineering ensures flange bolts are not overstressed
- Swell characteristics – significantly reduce creep relaxation, as compared to vegetable fiber and elastomer gaskets

INDUSTRY APPLICATIONS:

- General/Heavy Industry
- OEM Services
- Water & Waste Water

Gasket Factors - 1/16”	
m	6.9
Y psi (MPa)	2,412 (16.6)
G_b psi (MPa)	95 (0.655)
a	0.609
G_s psi (MPa	4 (0.027)

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.

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