



Durlon 5300

Colour	Rust
Fiber System	Mineral
Binder	NBR
Temperature	
Min	-73°C (-100°F)
Max	288°C (550°F)
Continuous, Max	232°C (450°F)
Pressure, max, bar (psi)	69 (1,000)
Density, g/cc (lbs/ft ³)	1.7 (106)
Compressibility, %	7-17
ASTM F36	
Recovery, %	40
ASTM F36	
Creep Relaxation, %	25
ASTM F38	
Tensile Strength, across grain	10.3 (1,500)
ASTM F152, MPa (psi)	
Fluid Resistance, ASTM F146	
IRM 903 Oil 5hrs at 300°F	
Thickness Increase, %	5
Weight Increase, %	15
ASTM Fuel B 5hrs at 70°F	
Thickness Increase, %	5
Weight Increase, %	15
Sealability, cc/min	0.1
ASTM 2378 (Nitrogen)	
Flexibility	10x
ASTM F147	

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.

Durlon 5300

Mineral Fiber with NBR Rubber Binder
Compressed Asbestos Free Gasket Material
ASTM F104: F713110-A9B4E12K5L051M5

A good quality commercial grade compressed non -asbestos sheet for moderate service conditions. Durlon® 5300 is suitable for steam, oil, water, mild alkalis, mild acids, hydrocarbons and solvents. Durlon® 533 has the ABS Product Design Assessment (PDA) Certificate 14-HS1146798-PDA for intended service in marine and offshore applications.

Gasket Factors	1/16"	1/8"
m	1.5	2.5
Y, psi (MPa)	1,855 (12.8)	2,619 (18.1)
Gb, psi (MPa)	474 (3.3)	902 (6.2)
a	0.256	0.253
Gs, psi (MPa)	48 (0.3)	4 (0.03)

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).