

# DURLON® 5300

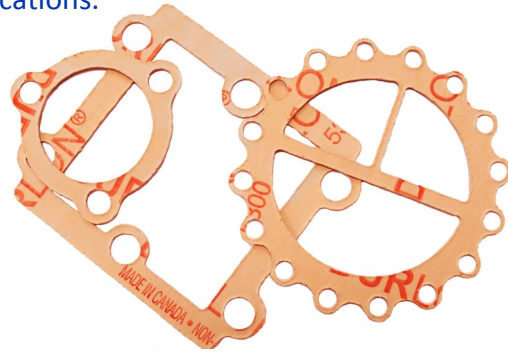
SEALING SOLUTIONS

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

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/ft3)	1.7 (106)
Compressibility, % ASTM F36	7-17
Recovery, % ASTM F36	40
Creep Relaxation, % ASTM F38	25
Tensile Strength, across grain ASTM F152, MPa (psi)	10.3 (1,500)
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
Nitrogen Sealability, cc/min ASTM 2378	0.1
Flexibility ASTM F147	10x

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.

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.



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.

Gasket Factors		
	1/16"	1/8"
m	1.5	2.5
Y, psi (MPa)	1,855 (12.8)	2,619 (18.1)
G <sub>b</sub> , psi (MPa)	474 (3.3)	902 (6.2)
a	0.256	0.253
G <sub>s</sub> , 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).



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Durlon 5300 REV 2016-4

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