

# DURASILE®

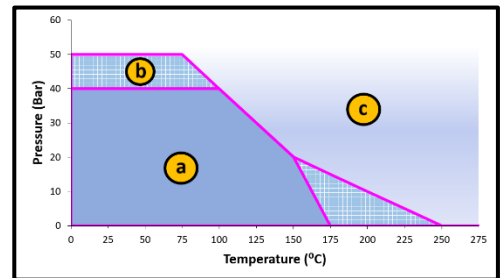
## AF-GEN

### Technical Datasheet

<b>Material Type</b>	: ASBESTOS FREE GASKET MATERIAL.
<b>Material Composition</b>	: Organic Fibres, Mineral Fibres, Cellulose Fibres. (Binders: NBR)
<b>Application</b>	: Suitable for low pressure steam, water, oils, fuels and inert gases for low stress conditions.
<b>Thickness</b>	: <b>0.50mm to 5.00 mm</b>
<b>Surface Finish</b>	: Green/Green (Other color also available on customer requirement).
<b>Operating Condition</b>	: Max. Peak Temperature: <b>250 °C</b> : Max. Operating Temperature: <b>180 °C</b> : Max. Peak Pressure: <b>50 bar</b> : Max. Continuous Temp. with steam: <b>120 °C</b>
<b>Compliance</b>	: <b>ASTM F 104</b> Line call out: F 712232 E34 A9 B6 M4
<b>Dimensions of standard sheets</b>	: 1500 X 1500 mm, 1500 X 2000 mm, 1500 X 2250 mm 1500 X 4000 mm, 1500 X 4500 mm, 2000 X 3000 mm

### Areas of Application

- Area (a) refers: The gasket material is normally suitable subject to chemical compatibility.
- Area (b) refers: The gasket material may be suitable but a technical support is recommended.
- Area (c) refers: Do not install the gasket without technical evaluation.



(The following Information applies to material thickness 2.0mm.)

S No.	Typical Properties	Test Method	Specified Value	Unit
1	Density	ASTM F 1315	1.5 – 2.0	g/cm <sup>3</sup>
2	(A) Tensile Strength (across the grain)	ASTM F 152	≥ 7.0	N/mm <sup>2</sup>
	(B) Tensile Strength (across the grain)	DIN 52910	≥ 5.0	N/mm <sup>2</sup>
3	Compressibility	ASTM F 36 J	7 – 17	%
4	Recovery	ASTM F 36 J	≥ 40	%
5	Ignition Loss	ASTM F 495	≤ 40.0	%
6	Creep Relaxation	ASTM F 38B	≤ 40.0	%
7	<b>Fluid Absorption</b>			
	<b>(A) In ASTM Oil No. 3 (5h, 150 °C)</b>	ASTM F 146		
	Increase in Mass		≤ 20	%
	Increase in Thickness		≤ 15	%
	<b>(B) In Fuel B (5h, 25 °C)</b>	ASTM F 146		
	Increase in Mass		≤ 20	%
	Increase in Thickness		≤ 15	%
	<b>(C) In Water (5h, 100 °C)</b>	ASTM F 146		
	Increase in Mass		≤ 15	%
	Increase in Thickness		≤ 10	%

\*Size Tolerance: ± 10% | Thickness Tolerance : 0.10mm for <1.00mm & 10% for >1.00mm

**NOTE:** All information and recommendations given in this brochure are correct to the best of our knowledge. Since conditions of use are beyond our control. The information provided can only serve as a guideline. Users must satisfy themselves that products are suitable for the intended process and uses. We reserve the right to change product design and properties without notice.