

Ferolite®

AN ISO 9001 : 2008 / TS 16949:2009 ISO 14001:2004 CERTIFIED COMPANY

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 processes and uses. We reserve the right to change product design and properties without notice.

*** Graphite Coating & Antistick Coating available on request**

Should you have any doubts about the choice of gasket material, please refer to us, Our Engineering cell will be happy to assist you.

GENERAL DATA

Standard Sheet Size
 1500 x 2000 mm 1500 x 4000 mm
 1500 x 1500 mm 1500 x 4500 mm
 1500 x 3000 mm 2000 x 3000 mm

Thickness
 0.25 mm to 6.00 mm
 (For Non Metallic Range)
 0.60 mm to 6.00 mm
 (For Metallic Range)

Tolerances
 Thickness As per IS
 Length ±50 mm
 Width ±50 mm

- All metallic Jointing Sheets are treated on one side with graphite. Both Side graphite sheets can be supplied on request.

- 3△ finish can be provided on all Jointing Sheets i.e., anti stick, anti corrosion capabilities.

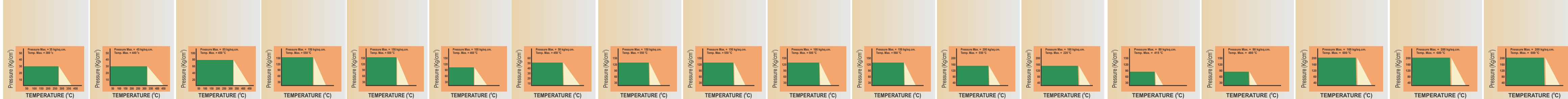
Performance Chart and Recommendation

- Uncritical for application, provided Ferolite assembly rules are followed.
- Only for short term temp. excursions
- Application might be okay, but is critical kindly consult ferolite technical support.

Max. Values of Temperature and Pressure should not be used simultaneously, they are given only as guidance. Max. Temperature and Pressure depends not only on the type of gasket material but also on the application conditions such as thickness of material, nature of service medium, type of flange, surface stress etc.

* DIN, +is

	Ferolite '333'	Ferolite	Ferolite 'Extra'	Ferolite 'IT-300'	Ferolite 'IT-400'	Ferolite	Ferolite 'F'	Ferolite 'K'	Ferolite 'Special'	Ferolite 'CS'	Ferolite IT 'O'	Ferolite IT 'C' Universal	Ferolite 'Acid'	Ferolite 'Steel'	Ferolite 'Extra Steel'	Ferolite 'IT-300 Steel'	Ferolite 'IGV'	Ferolite 'ISS'
Properties Applicable for 1.5 mm thick material	IS 2712/1998	IS 2712/1998	IS 2712/1998	IS 2712/1998	IS 2712/1998	IS 2712/1998	ASTMF104	IS 2712/1998	IS 2712/1998	ASTMF104	* DIN, +IS	IS 2712/1998	IS 2712/1998	IS 2712/1998	IS 2712/1998	IS 2712/1998	IS 2712/1998	IS 2712/1998
Density	1.7-2.2 gm/cm ³	1.7-2.2 gm/cm ³	1.7-2.2 gm/cm ³	1.7-2.2 gm/cm ³	1.7-2.2 gm/cm ³	1.7-2.2 gm/cm ³	1.7-2.2 gm/cm ³	1.7-2.2 gm/cm ³	1.7-2.2 gm/cm ³	1.7-2.2 gm/cm ³	1.8-2.0 gm/cm ³	1.7-2.2 gm/cm ³	1.7-2.2 gm/cm ³	1.8-2.2 gm/cm ³	1.8-2.2 gm/cm ³	1.8-2.2 gm/cm ³	1.9-2.2 gm/cm ³	1.9-2.2 gm/cm ³
Tensile Strength	> 6.7 Mpa.	> 7.5 Mpa.	> 12.8 Mpa.	> 24.0 Mpa.	> 24.0 Mpa.	> 13.0 Mpa.	> 24.0 Mpa.	> 24.0 Mpa.	> 24.0 Mpa.	> 24.0 Mpa.	> 16.0 N/mm ²	> 24.0 Mpa.	> 24.0 Mpa.	> 8.0 Mpa.	> 12.8 Mpa.	> 24 Mpa.	> 24.0 Mpa.	> 24.0 Mpa.
Compressibility	6-14 %	6-14 %	6-14 %	6-14 %	6-14 %	6-14 %	7-12 %	6-14 %	6-14 %	6-14 %	5-15 %	6-14 %	6-14 %	6-14 %	6-14 %	6-14 %	6-14 %	6-14 %
Recovery	> 40%	> 40%	> 40%	> 40%	> 40%	> 40%	> 50%	> 40%	> 40%	> 40%	> 40%	> 40%	> 40%	> 40%	> 40%	> 40%	> 40%	> 40%
Stress Relaxation	----	----	> 17.5 Mpa.	> 23.0 Mpa.	< 23.0 Mpa.	> 17.5 Mpa.	> 23.0 Mpa.	> 23.0 Mpa.	> 23.0 Mpa.	> 23.0 Mpa.	> 23.0 Mpa.	> 23.0 Mpa.	> 23.0 Mpa.	----	----	----	> 23 Mpa.	> 23 Mpa.
Ignition Loss	< 28 %	< 28 %	< 28 %	< 28 %	< 28 %	< 28 %	< 28 %	< 28 %	< 28 %	< 28 %	< 26 %	< 28 %	< 28 %	< 28 %	< 28 %	< 28 %	< 26 %	< 26 %
FLUID ABSORPTION	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Water																		
Mass Increase			< 10%	< 10%	< 10%	< 10%	< 10%	< 10%	< 10%	< 10%	< 10%	< 10%	< 10%				< 10%	< 10%
In ASTM OIL No.3																		
Thickness Increase							< 35%	< 10%	< 25%	20-40 %	< 15 %	< 20 %	< 20 %				< 25 %	< 25 %
Mass Increase						< 30%	< 15%	* < 5	< 20%	15-30 %	< 15 %	< 15 %	< 15 %				< 20 %	< 20 %
In FUEL B																		
Thickness Increase						< 30%	< 10%	< 20%	< 20%	20-40 %	< 20 %	< 15 %	< 15 %				< 20 %	< 20 %
Mass Increase						< 30 %	< 10%	< 20%	< 20%	10-20 %	< 15 %	< 15 %	< 15 %				< 20 %	< 20 %
Sulphuric Acid (96%)																		
Thickness Increase													< 8 %					
Tensile Strength Decrease													> 16.5 %					
Nitric Acid (95%)																		
Thickness Increase													< 20 %					
Tensile Strength Decrease													> 5.5 Mpa.					
Peak Temp. °C	380	440	450	550	550	460	450	-80 to +450	550	500	560	550	220	415	480	600	600	600
Max. Operating Pressure Kg/cm ²	35	45	85	150	150	100	50	100	150	100	150	160	160	80	90	180	200	200



ALL DATA QUOTED ABOVE ARE BASED ON YEARS OF EXPERIENCE IN PRODUCTION & OPERATION OF SEALING ELEMENTS. IN VIEW OF THE WIDE VARIETY OF POSSIBLE INSTALLATION & OPERATING CONDITIONS ONE CAN NOT DRAW FINAL CONCLUSION IN ALL APPLICATION CASES REGARDING THE BEHAVIOUR IN GASKET JOINT. THE DATA MAY NOT THEREFORE, BE USED TO SUPPORT ANY WARRANTY CLAIMS. WHENEVER THERE IS ANY DOUBT, OUR STAFF WILL BE PLEASED TO ASSIST YOU IN FINDING THE OPTIMUM SEALING SOLUTIONS



Always Towards Betterment

TS 16949

