

Ferolite®

An ISO 9001 : 2008 TS 16949 : 2009, ISO 14001 : 2004 Certified Company

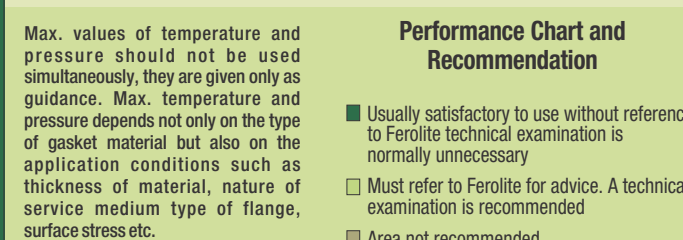
General Data	
Standard Sheet Size	1500x2000 mm, 1500x4000 mm, 1500x1500 mm, 1500x4500 mm, 1500x3000 mm, 2000x3000 mm
Thickness	0.25 mm to 6.00 mm (For Non-Metallic Range)* 0.60 mm to 6.00 mm (For Metallic Range)
Tolerances	Thickness
	Length
	Width

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

Properties Applicable for 2.0 mm thick material.

		gm/cm ³
Density		1.70- 2.00
Tensile Strength		
a) Acc to ASTM F 152 (Across Grain)	N/mm ²	≥ 7
b) Acc to DIN 52910 (Across Grain)		≥ 5
Compressibility	ASTMF36A %	5-15
Recovery	ASTMF36A %	≥ 40
Fluid Absorption		
IN ASTM OIL No.3	ASTMF146 %	
Increase in Mass		≤ 15
Increase in Thickness		≤ 10
In Fuel B	ASTMF146 %	
Increase in Mass		≤ 10
Increase in Thickness		≤ 10
In Water/Antifreeze	ASTMF146 %	
Increase in Mass		≤ 15
Increase in Thickness		≤ 15
In Acid (Change in Tensile Strength)		
96% H ₂ SO ₄ Acid (48 hrs. at 23°C)	%	
95% HNO ₃ Acid (48 hrs. at 23°C)	%	
Ignition Loss	DIN 52911 %	≤ 40
Sealability Against Nitrogen	DIN 3535 cm ³ /min	≤ 1.0
Stress Resistance		
16h 300°C	DIN 52913 N/mm ²	~ 18
16h 175°C	DIN 52913 N/mm ²	~ 30
M value		2.5
Y value		25
Max. Peak Temp.	°C	250
Max. Continuous Temp.	°C	180
Max. Continuous Temp. with Steam	°C	120
Max. Operating Pressure	Kg/cm ²	50

ASTMF104 Line call-out



* Min possible thickness in NAM 39, 37, 37C is 0.4 mm

Ferolite NAM 39

Cellulose Fibre, High Quality NBR & Organic Fibre.

- Water/Oil resistant
- For light to medium loadings
- Suitable for low operating pressure, e.g. transformers, compressors and oil pans in internal combustion engines.

Ferolite NAM 37

Aramid Fibre, Mineral Fibre and NBR

- Water/Oil resistant
- For light to medium loadings
- For low operating pressure e.g. transformers, compressors, valve cover and oil in IC Engines.

Ferolite NAM 37C

Aramid Fibre, Mineral Fibre & NBR Elastomers

- Certain chemicals have been kept at a minimum level, the excess of which might affect the media
- It does not contain any material which might contribute to bacterial or fungal growth

(NSF Approved)

Ferolite NAM 30

Aramid Fibre, Mineral Fibre and NBR

- Oil resistant
- For medium to higher loadings
- Resistance to water & gases e.g. compressors, pipelines, gas meters and IC engines.

Ferolite NAM 30Y

Aramid Fibre, Mineral Fibre and NBR Elastomers

- Oil resistant
- For medium to higher loadings
- Resistance to water & gases e.g. compressors, pipelines, gas meters and IC engines.

Conforms to BS-7531 Grade Y

Ferolite NAM 32

Aramid fibre, Mineral Fibre and NBR.

- High performance oil resistant
- For high loading
- Excellent thermal, chemical & mechanical properties.
- For compressors, pipelines, gas meters and IC Engines, pipeunions, pumps etc.

Ferolite NAM 32N

Aramid Fibre, Mineral Fibre and Neoprene Elastomers.

- Oil resistant
- For higher loading
- Resistance to water, gases and fuels
- Versatile media resistance properties of Neoprene Binder
- Excellent thermal chemical & mechanical properties.

Ferolite NAM 32CR

Aramid Fibre with CSM Elastomers.

- For different aggressive media
- Excellent chemical resistance to acid & alkaline media.

Ferolite NAM 33

Aramid Fibre, Mineral Fibre and SBR.

- Controlled swell properties in oil
- For automotive and chemical industry e.g. IC engines, hydraulic engines, reiterating oils and hydrocarbons
- For joints with low sealing pressure e.g. housing valve covers, oil pans etc.

Ferolite NAM 31

Aramid Fibre, Mineral Fibre & NBR Elastomers

- Certain chemicals have been kept at a minimum level, the excess of which might affect the media
- It does not contain any material which might contribute to bacterial or fungal growth

(KTW Approved)

Ferolite NAM 42 GF

Aramid Fibre, Glass Fibre with NBR.

- High media resistance
- High stress condition

Fire Safe Approved as per API 6FB

Conforms to BS-7531 Grade X

Ferolite NAM 45 CF

Aramid Fibre, Carbon Fibre NBR.

- For Medium to higher Loadings
- Excellent for steam & Alkalies
- Chemical & Hydrochemical Industries
- Pulp, paper, chemical & petrochemical industries.

Ferolite NAM 39 Steel

Aramid Fibre, NBR & Organic Fibre with Metal Gauge Centre

- Water/Oil Resistant
- For light to medium loadings
- Suitable for low operating pressure, e.g. transformers, compressors and oil pans in internal combustion engines.

Ferolite NAM 37 Steel

Aramid Fibre, Mineral Fibre and NBR with Metal Gauge Centre

- Water/Oil resistant
- For light to medium loadings
- For low operating pressure e.g. Transformers, Compressors, valve covers and oil pans in IC Engines

Ferolite NAM 30 Steel

Aramid Fibre, Mineral Fibre and NBR with Metal Gauge Centre

- Oil resistant
- For medium to higher loadings
- Resistance to water & gases e.g. compressors, pipelines, gas meters and IC engines

Ferolite NAM 32 Steel

Aramid Fibre, Mineral Fibre and NBR with Metal Gauge Centre

- High performance oil resistant
- Excellent thermal, chemical & mechanical properties
- For compressors, pipelines, gas unions, pumps etc.

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