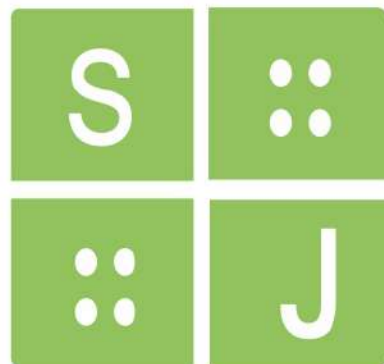


Non Asbestos Jointing Sheets

With World Class Quality



Superlite Jointings Private Limited

(AN IATF : 16949-2016 COMPANY)



GASKET MATERIALS

SUPERLITE® AF GP 150



- Organic Fibre
- Nitrile Binder
- Mineral Fibre

Application

Suitable for oils, fuels, lubricants, alcohols, gases, hydrocarbons, steam, water, cooling liquids, most diluted acids and alkalies for high stress condition.

Properties	Testing Method	Unit	Specification
1. Density	ASTM F 1315	g/cm ³	1.6-1.9
2. Compressibility	ASTM F 36 J	%	7-17
3. Recovery	ASTM F 36 J	%	≥ 40
4. Tensile Strength (Across Grain)	ASTM F 152	N/mm ²	≥ 7
5. Stress Relaxation	DIN 52913		
a. 16 hours, 175°C	50 Mpa	Mpa	≥ 15
b. 16 hours, 300°C	50 Mpa	Mpa	
6. Gas Permeability	BS 7531	ml/min	≤ 1.0
7. Cold/Hot Compression (0.80 mm)			
a. Thickness decrease at 23°C		%	
b. Thickness decrease at 300°C		%	
8. ASTM OIL NO 3 (5 HRS, 150°C)			
Thickness Increase		%	≤ 15
Weight Increase		%	≤ 20
9. Fuel B (5 hrs, 23 °C)			
Thickness Increase		%	≤ 20
Weight Increase		%	≤ 20
10. Water (5 hrs, 100°C)			
Thickness Increase		%	≤ 10
Weight Increase		%	≤ 15
11. Thickness Increase			
65% H2SO4 Acid (48 hrs, 23°C)		%	
96% H2SO4 Acid (48 hrs, 23°C)		%	
40% HNO3 Acid (48 hrs, 23°C)		%	
ASTM Line call out			ASTM F 104 F 712232E34A9B6M4
Max. Operating Conditions			
Max. Peak Temperature		°c	200
Max. Operating Temperature		°c	150
Max. Operating Pressure		Bar	50

SUPERLITE® AF - 347

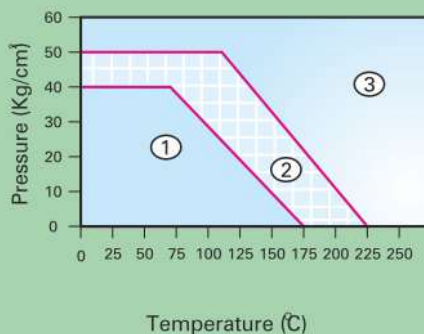


- Organic Fibre
- Nitrile Binder
- Mineral Fibre

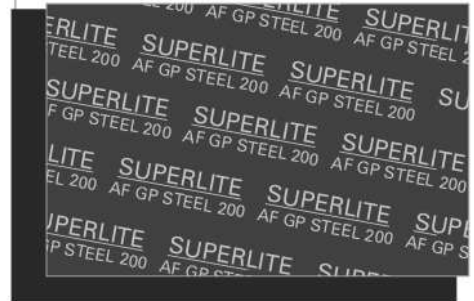
Application

General purpose grade suitable for low pressure steam, water, oils, fuels and inert gases for low stress conditions with anti stick coating.

Properties	Testing Method	Unit	Specification
Max. Peak Temperature		°C	225
Max. Operating Temperature		°C	175
Max. Operating Pressure		kg/cm ²	50
Density	ASTM F 1315	g/cm ³	1.6-1.9
Compressibility	ASTM F 36 J	%	7-17
Recovery	ASTM F 36 J	%	≥ 40
Tensile Strength	ASTM F 152	N/mm ²	≥ 10.5
Stress Relaxation (175°C)	DIN 52913	N/mm ²	≥ 18
Gas Permeability	BS 7531	ml/min	≤ 1.0
Cold/Hot Compression (0.80 mm)			
a. Thickness decrease at 23°C		%	
b. Thickness decrease at 300°C		%	
ASTM oil No.3 (5h, 150°C)	ASTM F 146		
Thickness Increase		%	≤ 10
Weight Increase		%	≤ 15
ASTM Fuel B (5h, 23°C)	ASTM F 146		
Thickness Increase		%	≤ 10
Weight Increase		%	≤ 15
Water (5h, 100°C)	ASTM F 146		
Thickness Increase		%	≤ 10
Weight Increase		%	≤ 15
Thickness Increase			
65% H2SO4 Acid (48 hrs, 23°C)		%	
96% H2SO4 Acid (48 hrs, 23°C)		%	
40% HNO3 Acid (48 hrs, 23°C)		%	



SUPERLITE® AF GP STEEL 200

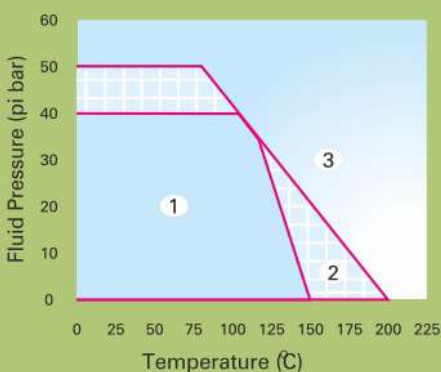
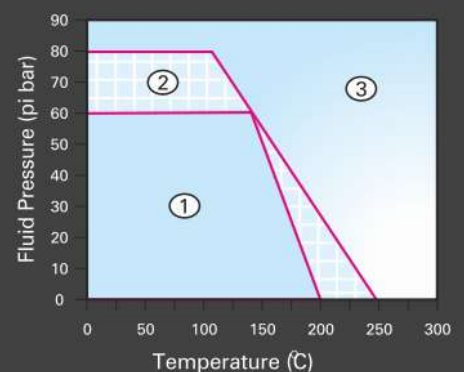


- In Organic Fibre, Mineral Fibre
- Nitrile Binder
- Wire Reinforced

Application

General purpose Metallic grade suitable for low pressure steam, water, oils, fuels and inert gases for low stress conditions.

Properties	Testing Method	Unit	Specification
1. Density	ASTM F 1315	g/cm ³	1.7-2.0
2. Compressibility	ASTM F 36 J	%	7-17
3. Recovery	ASTM F 36 J	%	≥ 40
4. Tensile Strength (Across Grain)	ASTM F 152	N/mm ²	≥ 8
5. Stress Relaxation	DIN 52913		
a. 16 hours, 175°C	50 Mpa	Mpa	≥ 17
b. 16 hours, 300°C	50 Mpa	Mpa	
6. Gas Permeability	BS 7531	ml/min	≤ 1.0
7. Cold/Hot Compression (0.80 mm)			
a. Thickness decrease at 23°C		%	
b. Thickness decrease at 300°C		%	
8. ASTM OIL NO 3 (5 HRS, 150°C)			
Thickness Increase		%	≤ 15
Weight Increase		%	≤ 20
9. Fuel B (5 hrs, 23 °C)			
Thickness Increase		%	≤ 20
Weight Increase		%	≤ 20
10. Water (5 hrs, 100°C)			
Thickness Increase		%	≤ 10
Weight Increase		%	≤ 15
11. Thickness Increase			
65% H2SO4 Acid (48 hrs, 23°C)		%	
96% H2SO4 Acid (48 hrs, 23°C)		%	
40% HNO3 Acid (48 hrs, 23°C)		%	
ASTM Line call out			ASTM F 104 F 712232E34A9B6M9
Max. Operating Conditions			
Max. Peak Temperature		°c	250
Max. Operating Temperature		°c	200
Max. Operating Pressure		Bar	80



GASKET MATERIALS

SUPERLITE® AF - 482



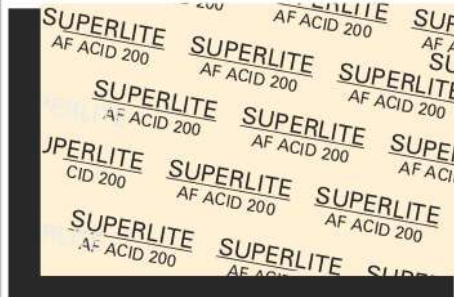
- Aramid Fibre
- Mineral Fibre
- Rockwool Fibre
- High Viscose Nitrile Binder

Application

Suitable for chemical, mechanical and good thermal properties, Treated as universal grade and suitable for all medium application.

Properties	Testing Method	Unit	Specification
Max. Peak Temperature		°C	350
Max. Operating Temperature		°C	250
Max. Operating Pressure		kg/cm ²	100
Density	ASTM F 1315	g/cm ³	1.60 - 1.90
Compressibility	ASTM F 36 J	%	7 - 17
Recovery	ASTM F 36 J	%	≥ 50
Tensile Strength	ASTM F 152	N/mm ²	≥ 8
Stress Relaxation (300°C)	DIN 52913	N/mm ²	≥ 16
Gas Permeability	BS 7531	ml/min	≤ 1.0
ASTM oil no.3 (5h, 150°C)	ASTM F 146		
Thickness Increase		%	≤ 5
Weight Increase		%	≤ 10
ASTM Fuel B (5h, 23°C)	ASTM F 146		
Thickness Increase		%	≤ 7
Weight Increase		%	≤ 12
Water (5h, 100°C)	ASTM F 146		
Thickness Increase		%	≤ 5
Weight Increase		%	≤ 10
Cold/Hot Compression (0.80 mm)			
a. Thickness decrease at 23°C		%	
b. Thickness decrease at 300°C		%	
Thickness Increase			
65% H2SO4 Acid (48 hrs, 23°C)		%	
96% H2SO4 Acid (48 hrs, 23°C)		%	
40% HNO3 Acid (48 hrs, 23°C)		%	

SUPERLITE® AF ACID 200



- Aramid Fibre
- CSM Binder
- Organic Fibre

Application

Premium quality acid jointing material, A Chemical grade material suitable for most acids, alkalies fuels and refrigerants for aggressive environments.

Properties	Testing Method	Unit	Specification
1. Density	ASTM F 1315	g/cm ³	1.6-1.9
2. Compressibility	ASTM F 36 J	%	7-17
3. Recovery	ASTM F 36 J	%	≥ 40
4. Tensile Strength (Across Grain)	ASTM F 152	N/mm2	≥ 10.5
5. Stress Relaxation	DIN 52913		
a. 16 hours, 175°C	50 Mpa	Mpa	≥ 8
b. 16 hours, 300°C	50 Mpa	Mpa	≥ 25
6. Gas Permeability (0.80 mm)	BS 7531	ml/min	≤ 1.0
7. Cold/Hot Compression (0.80 mm)			
a. Thickness decrease at 23°C		%	
b. Thickness decrease at 300°C		%	
8. ASTM OIL NO 3 (5 HRS, 150°C)			
Thickness Increase		%	≤ 10
Weight Increase		%	≤ 15
9. Fuel B (5 hrs, 23°C)			
Thickness Increase		%	≤ 10
Weight Increase		%	≤ 15
10. Water (5 hrs, 100°C)			
Thickness Increase		%	≤ 10
Weight Increase		%	≤ 10
11. Thickness Increase			
65% H2SO4 Acid (48 hrs, 23°C)		%	≤ 15
96% H2SO4 Acid (48 hrs, 23°C)		%	≤ 15
40% HNO3 Acid (48 hrs, 23°C)		%	≤ 15
ASTM Line call out	ASTM F 104 F 712000AGM5		
Max. Operating Conditions			
Max. Peak Temperature		°c	250
Max. Operating Temperature		°c	200
Max. Operating Pressure		Bar	60

SUPERLITE® AF GF 300

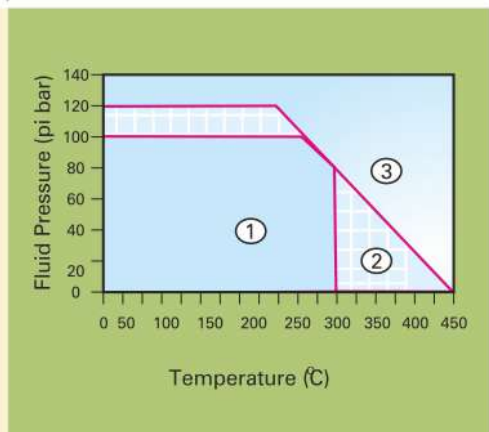
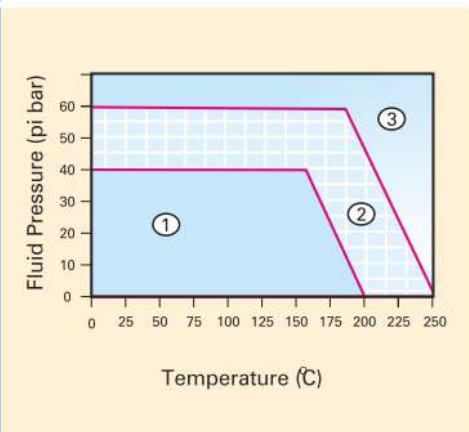
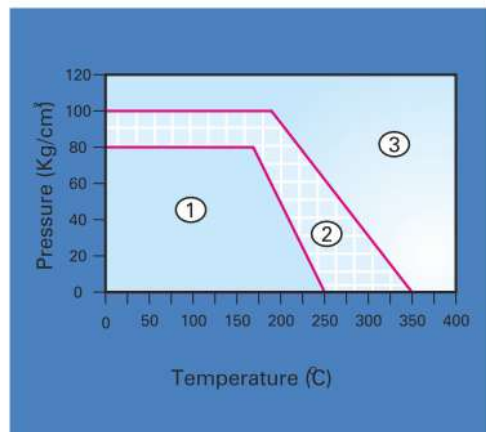


- Glass Fibre
- Aramid Fibre
- Nitrile Binder

Application

Suitable for oils, fuels, lubricants, alcohols, gases, hydrocarbons, steam, water, cooling liquids, most diluted acids and alkalies for high stress condition.

Properties	Testing Method	Unit	Specification
1. Density	ASTM F 1315	g/cm ³	1.6-1.9
2. Compressibility	ASTM F 36 J	%	5-15
3. Recovery	ASTM F 36 J	%	≥ 50
4. Tensile Strength (Across Grain)	ASTM F 152	N/mm2	≥ 8.0
5. Stress Relaxation	DIN 52913		
a. 16 hours, 175°C	50 Mpa	Mpa	≥ 35
b. 16 hours, 300°C	50 Mpa	Mpa	≥ 25
6. Gas Permeability (0.80 mm)	BS 7531	ml/min	≤ 1.0
7. Cold/Hot Compression (0.80 mm)			
a. Thickness decrease at 23°C		%	
b. Thickness decrease at 300°C		%	
8. ASTM OIL NO 3 (5 HRS, 150°C)			
Thickness Increase		%	≤ 10
Weight Increase		%	≤ 15
9. Fuel B (5 hrs, 23°C)			
Thickness Increase		%	≤ 10
Weight Increase		%	≤ 15
10. Water (5 hrs, 100°C)			
Thickness Increase		%	≤ 10
Weight Increase		%	≤ 10
11. Thickness Increase			
65% H2SO4 Acid (48 hrs, 23°C)		%	
96% H2SO4 Acid (48 hrs, 23°C)		%	
40% HNO3 Acid (48 hrs, 23°C)		%	
ASTM Line call out	ASTM F 104 F 712911E12A9B3M5		
Max. Operating Conditions			
Max. Peak Temperature		°c	450
Max. Operating Temperature		°c	300
Max. Operating Pressure		Bar	120



	AF GF 150	AF 347	AF Oil 230	AF Oil 250	AF Kool 230	AF 482	AF C 250	AF 572	AF GF 300		AF GF 150	AF 347	AF Oil 230	AF Oil 250	AF Kool 230	AF 482	AF C 250	AF 572	AF GF 300		AF GF 150	AF 347	AF Oil 230	AF Oil 250	AF Kool 230	AF 482	AF C 250	AF 572	AF GF 300
Acetaldehyde	■									Ethyl alcohol	■									Oxalic Acid	■								
Acetic Acid 10%	■									Ethyl chloride	■									Oxygen	■								
Acetic Acid 100%	■									Ethylene	■									Palmitic acid	■								
Acetic ester	■									Ethylene glycol	■									Pentane	■								
Acetone	■									Formic Acid 10%	■									Perchloroethylene	■								
Acetylene	■									Formic Acid 85%	■									Phenol	■								
Adipic Acid	■									Formaldehyde	■									Phosphoric acid	■								
Air	■									Freon 12	■									Potassium acetate	■								
Alum	■									Freon 22	■									Potassium bicarbonate	■								
Aluminium Acetate	■									Fuel Oil	■									Potassium carbonate	■								
Aluminium Chlorate	■									Gasoline	■									Potassium chloride	■								
Aluminium Chloride	■									Glycerine	■									Potassium dichromate	■								
Ammonia	■									Heptane	■									Potassium hydroxide	■								
Ammonium bicarbonate	■									Hydraulic Oil [Mineral]	■									Potassium iodide	■								
Aluminium Chloride	■									Hydraulic Oil [Phosphate ester type]	■									Potassium nitrate	■								
Ammonium hydroxide	■									Hydraulic Oil [Glycol based]	■									Potassium permanganate	■								
Amyl acetate	■									Hydrazine	■									Propane	■								
ASTM Oil No. 3	■									Hydrochloric acid 20 %	■									Salicylic acid	■								
Asphalt	■									Hydrochloric acid 36 %	■									Silicone Oil	■								
Barium Chloride	■									Hydrofluoric acid 10 %	■									Soap	■								
Benzene	■									Hydrogen	■									Sodium aluminate	■								
Benzoic acid	■									Isobutane	■									Sodium bicarbonate	■								
Boric acid	■									Isocetane	■									Sodium bisulphite	■								
Borex	■									Isopropyl alcohol	■									Sodium carbonate	■								
Butane	■									Kerosene	■									Sodium chloride	■								
Butyl alcohol	■									Lead acetate	■									Sodium hydroxide	■								
Butyl alcohol	■									Lead arsenate	■									Sodium isulphate	■								
Butyric acid	■									Lime Water	■									Sodium sulphide	■								
Calcium chloride	■									Magnesium sulphate	■									Starch	■								
Calcium hydroxide	■									Malic acid	■									Steam	■								
Carbon disulphide	■									Methane	■									Stearic acid	■								
Carbon dioxide	■									Methanol	■									Sugar	■								
Chloroform	■									Methyl chloride	■									Sulphuric acid 20 %	■								
Chlorine, dry	■									Methylene dichloride	■									Sulphuric acid 50 %	■								
Chlorine, wet	■									Methyl ethyl ketone	■									Tar	■								
Chromic acid	■									Milk	■									Tartaric acid	■								
Citric acid	■									Mineral Oil type ASTM no. 1	■									Toluene	■								
Copper acetate	■									Naptha	■									Transformer oil	■								
Cresol	■									Nitric acid 20 %	■									Trichlorethylene	■								
Cyclohexanol	■									Nitric acid 40 %	■									Water	■								
Cyclohexanone	■									Octane	■									White Sprnt	■								
Decaline	■									Oleic acid	■									Xylene	■								
Ethyle acetate	■																												

Compressed Non Asbestos Jointing Sheets

All information and recommendations given in this brochure are correct to the best of our knowledge. Since the operating conditions at the use end are beyond our control. The given information may be used as guide lines. Superlite reserve the right to change product design and properties without notice.
Temperature and pressure represent maximum values and should not be used simultaneously. They are given only as guidance, since they but also on the assembly conditions. Very important factors are : thickness of the gasket material, nature of service medium, type of flange and surface stress. Steam application requires special consideration.

We can supply both side graphite sheet, anti stick and anti corrosion on request.

Available Sheet Sizes With Us

- 1) 1500 x 1500
1500 x 3000
1500 x 4500
- 2) 1500 x 1000
1500 x 2000
1500 x 4000
- 3) 1270 x 1270
1270 x 3810
- 4) 1000 x 1000
2000 x 3000

- Recommended
- Recommendation depends on operating conditions
- Not Recommended

The recommendations made here are intended to be a guideline for the selection of the suitable gasket quality. Because the function and durability of the products depend upon a number of factors, the data may not be used to support any warranty claims.



Superlite

SUPERLITE® AF - 572



- Aramid Fibre
- Glass Fibre
- Rockwool Fibre
- High Viscose Nitrile Binder

Application

Optimized combination of Synthetic fibres with Glass and Aramid Fibres bound with HNBR . Premium Quality jointing with high temperature resistance in steam and water as well as excellent resistance to oils and hydrocarbons .

Properties	Testing Method	Unit	Specification
Max. Peak Temperature	UPTO	°C	-50 to 400
Max. Operating Temperature	UPTO	°C	-25 to 300
Max. Operating Pressure		kg/cm ²	80
Density	ASTM F 1315	g/cm ³	1.60 -1.90
Compressibility	ASTM F 36 J	%	5 -15
Recovery	ASTM F 36 J	%	≥ 50
Tensile Strength	ASTM F 152	N/mm ²	≥ 8
Stress Relaxation (300°C)	DIN 52913	N/mm ²	≥ 30
Gas Permeability	BS 7531	ml/min.	≤ 1.0
ASTM oil no.3 (5h, 150°C)	ASTM F 146		
Thickness Increase		%	≤ 5
Weight Increase		%	≤ 10
ASTM Fuel B (5h, 23°C)	ASTM F 146		
Thickness Increase		%	≤ 5
Weight Increase		%	≤ 12
Water (5h, 100°C)	ASTM F 146		
Thickness Increase		%	≤ 5
Weight Increase		%	≤ 5
Cold/Hot Compression (0.80 mm)			
a. Thickness decrease at 23°C		%	
b. Thickness decrease at 300°C		%	
Thickness Increase			
65% H2SO4 Acid (48 hrs, 23°C)		%	
96% H2SO4 Acid (48 hrs, 23°C)		%	
40% HNO3 Acid (48 hrs, 23°C)		%	

SUPERLITE® AF OIL STEEL 350



- Mineral Fibre, Aramid Fibre
- Nitrile Binder
- Wire Reinforced

Application

A Premium metallic grade suitable for oils fuels, lubricants alcohols, hydrocarbons, steam water cooling liquids, most diluted acid and alkalies for high stress condition.

Properties	Testing Method	Unit	Specification
1. Density	ASTM F 1315	g/cm ³	1.7-2.0
2. Compressibility	ASTM F 36 J	%	7-17
3. Recovery	ASTM F 36 J	%	≥ 40
4. Tensile Strength (Across Grain)	ASTM F 152	N/mm2	≥ 13.7
5. Stress Relaxation	DIN 52913		
a. 16 hours, 175°C	50 Mpa	Mpa	≥ 25
b. 16 hours, 300°C	50 Mpa	Mpa	≥ 30
6. Gas Permeability (0.80 mm)	BS 7531	ml/min.	≤ 1.0
7. Cold/Hot Compression (0.80 mm)			
a. Thickness decrease at 23°C		%	
b. Thickness decrease at 300°C		%	
8. ASTM OIL NO 3 (5 HRS, 150°C)			
Thickness Increase		%	≤ 10
Weight Increase		%	≤ 10
9. Fuel B (5 hrs, 23°C)			
Thickness Increase		%	≤ 10
Weight Increase		%	≤ 10
10. Water (5 hrs, 100°C)			
Thickness Increase		%	≤ 10
Weight Increase		%	≤ 10
11. Thickness Increase			
65% H2SO4 Acid (48 hrs, 23°C)		%	
96% H2SO4 Acid (48 hrs, 23°C)		%	
40% HNO3 Acid (48 hrs, 23°C)		%	
ASTM Line call out	ASTM F 104 F 71291E12A9B4M6		
Max. Operating Conditions		°C	400
Max. Peak Temperature		°C	300
Max. Operating Temperature		°C	300
Max. Operating Pressure		Bar	120

SUPERLITE® AF C 350

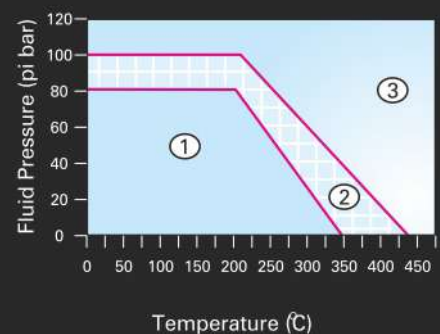
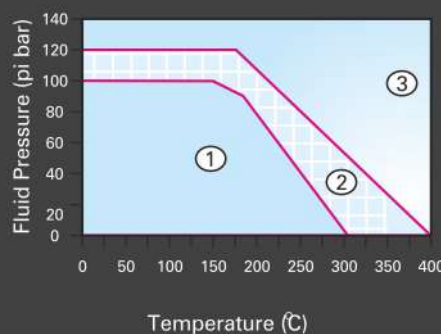
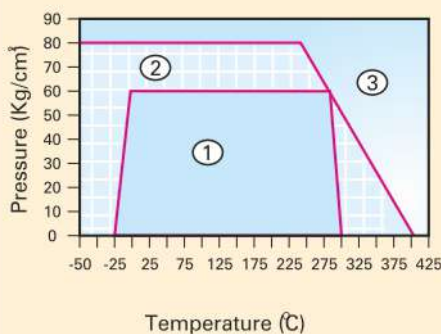


- Carbon Fibre
- Nitrile Binder
- Aramid Fibre

Application

Suitable for oils, fuels, lubricants, alcohols, gases, hydrocarbons, steam, water, cooling liquids, most diluted acids and alkalies for medium stress condition.

Properties	Testing Method	Unit	Specification
1. Density	ASTM F 1315	g/cm ³	1.6-1.9
2. Compressibility	ASTM F 36 J	%	7-17
3. Recovery	ASTM F 36 J	%	≥ 40
4. Tensile Strength (Across Grain)	ASTM F 152	N/mm2	≥ 8
5. Stress Relaxation	DIN 52913		
a. 16 hours, 175°C	50 Mpa	Mpa	≥ 30
b. 16 hours, 300°C	50 Mpa	Mpa	≤ 20
6. Gas Permeability (0.80 mm)	BS 7531	ml/min.	≤ 1.0
7. Cold/Hot Compression (0.80 mm)			
a. Thickness decrease at 23°C		%	
b. Thickness decrease at 300°C		%	
8. ASTM OIL NO 3 (5 HRS, 150°C)			
Thickness Increase		%	≤ 10
Weight Increase		%	≤ 10
9. Fuel B (5 hrs, 23°C)			
Thickness Increase		%	≤ 10
Weight Increase		%	≤ 10
10. Water (5 hrs, 100°C)			
Thickness Increase		%	≤ 10
Weight Increase		%	≤ 10
11. Thickness Increase			
65% H2SO4 Acid (48 hrs, 23°C)		%	
96% H2SO4 Acid (48 hrs, 23°C)		%	
40% HNO3 Acid (48 hrs, 23°C)		%	
ASTM Line call out	ASTM F 104 F 71291E12A9B4M6		
Max. Operating Conditions		°C	440
Max. Peak Temperature		°C	350
Max. Operating Temperature		°C	350
Max. Operating Pressure		Bar	100



SUPERLITE® AF OIL 220



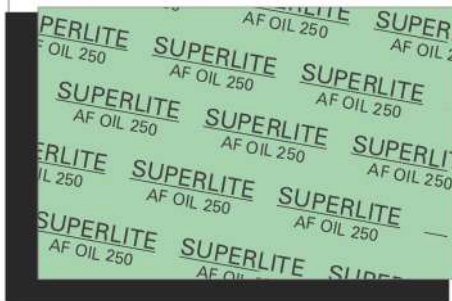
- Organic Fibre, Mineral Fibre
- Nitrile Binder
- Aramid Fibre

Application

Suitable for oils, fuels, lubricants, alcohols, gases, hydrocarbons, steam, water, cooling liquids, most diluted acids and alkalies for low stress condition.

Properties	Testing Method	Unit	Specification
1. Density	ASTM F 1315	g/cm ³	1.6-1.9
2. Compressibility	ASTM F 36 J	%	7-17
3. Recovery	ASTM F 36 J	%	≥ 50
4. Tensile Strength (Across Grain)	ASTM F 152	N/mm ²	≥ 9.5
5. Stress Relaxation	DIN 52913		
a. 16 hours, 175°C	50 Mpa	Mpa	22
b. 16 hours, 300°C	50 Mpa	Mpa	
6. Gas Permeability (0.80 mm)	BS 7531	ml/min	≤ 1.0
7. Cold/Hot Compression (0.80 mm)			
a. Thickness decrease at 23°C		%	
b. Thickness decrease at 300°C		%	
8. ASTM OIL NO 3 (5 HRS, 150°C)			
Thickness Increase		%	≤ 10
Weight Increase		%	≤ 15
9. Fuel B (5 hrs, 23 °C)			
Thickness Increase		%	≤ 10
Weight Increase		%	≤ 15
10. Thickness Increase			
65% H2SO4 Acid (48 hrs, 23°C)		%	
96% H2SO4 Acid (48 hrs, 23°C)		%	
40% HNO3 Acid (48 hrs, 23°C)		%	
ASTM Line call out	ASTM F 104 F 71212E23A9B9M5		
Max. Operating Conditions			
Max. Peak Temperature		°C	300
Max. Operating Temperature		°C	220
Max. Operating Pressure		Bar	80

SUPERLITE® AF OIL 250



- Aramid Fibre
- Nitrile Binder
- Mineral Fibre

Application

Suitable for oils, fuels, lubricants, alcohols, gases, hydrocarbons, steam, water, cooling liquids, most diluted acids and alkalies for high stress condition.

Properties	Testing Method	Unit	Specification
1. Density	ASTM F 1315	g/cm ³	1.6-1.9
2. Compressibility	ASTM F 36 J	%	5-15
3. Recovery	ASTM F 36 J	%	≥ 50
4. Tensile Strength (Across Grain)	ASTM F 152	N/mm ²	≥ 10.5
5. Stress Relaxation	DIN 52913		
a. 16 hours, 300°C	50 Mpa	Mpa	≥ 18
6. Gas Permeability (0.80 mm)	BS 7531	ml/min	≤ 1.0
7. Cold/Hot Compression (0.80 mm)			
a. Thickness decrease at 23°C		%	
b. Thickness decrease at 300°C		%	
8. ASTM OIL NO 3 (5 HRS, 150°C)			
Thickness Increase		%	≤ 10
Weight Increase		%	≤ 10
9. Fuel B (5 hrs, 23 °C)			
Thickness Increase		%	≤ 10
Weight Increase		%	≤ 10
10. Water (5 hrs, 100°C)			
Thickness Increase		%	≤ 10
Weight Increase		%	≤ 10
11. Thickness Increase			
65% H2SO4 Acid (48 hrs, 23°C)		%	
96% H2SO4 Acid (48 hrs, 23°C)		%	
40% HNO3 Acid (48 hrs, 23°C)		%	
ASTM Line call out	ASTM F 104 F 712911E12A9B5M5		
Max. Operating Conditions			
Max. Peak Temperature		°C	350
Max. Operating Temperature		°C	250
Max. Operating Pressure		Bar	100

SUPERLITE® AF OIL STEEL 250

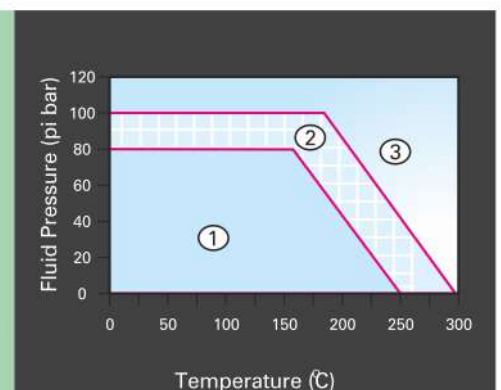
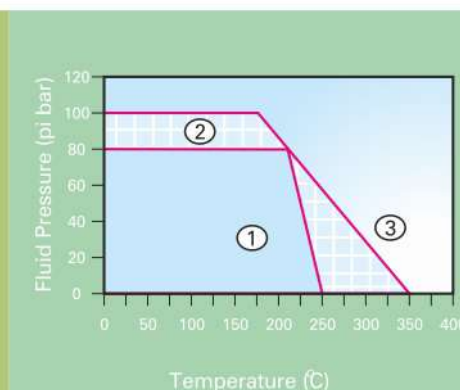
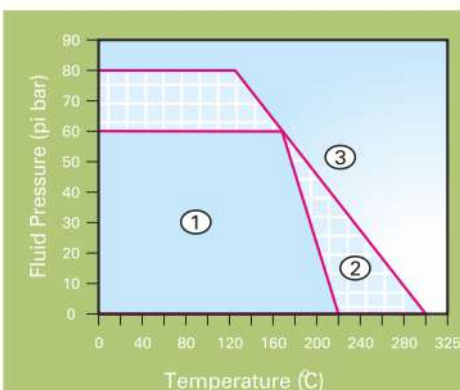


- Mineral Fibre, Aramid Fibre
- Nitrile Binder
- Wire Reinforced

Application

A Premium metallic grade suitable for oils, fuels, lubricants alcohols, hydrocarbons, steam water cooling liquids, most diluted acid and alkalies for medium stress condition.

Properties	Testing Method	Unit	Specification
1. Density	ASTM F 1315	g/cm ³	1.7-2.0
2. Compressibility	ASTM F 36 J	%	7-17
3. Recovery	ASTM F 36 J	%	≥ 40.0
4. Tensile Strength (Across Grain)	ASTM F 152	N/mm ²	≥ 10.5
5. Stress Relaxation	DIN 52913		
a. 16 hours, 175°C	50 Mpa	Mpa	≥ 22.00
6. Gas Permeability (0.80 mm)	BS 7531	ml/min	≤ 1.0
7. Cold/Hot Compression (0.80 mm)			
a. Thickness decrease at 23°C		%	
b. Thickness decrease at 300°C		%	
8. ASTM OIL NO 3 (5 HRS, 150°C)			
Thickness Increase		%	≤ 15
Weight Increase		%	≤ 10
9. Fuel B (5 hrs, 23 °C)			
Thickness Increase		%	≤ 10
Weight Increase		%	≤ 15
10. Water (5 hrs, 100°C)			
Thickness Increase		%	≤ 10
Weight Increase		%	≤ 10
11. Thickness Increase			
65% H2SO4 Acid (48 hrs, 23°C)		%	
96% H2SO4 Acid (48 hrs, 23°C)		%	
40% HNO3 Acid (48 hrs, 23°C)		%	
ASTM Line call out	ASTM F 104 F 712121E23A9B5M5		
Max. Operating Conditions			
Max. Peak Temperature		°C	300
Max. Operating Temperature		°C	250
Max. Operating Pressure		Bar	100





Manufacturers & Exporters of :
JOINTING GASKET MATERIAL

(Non Asbestos)

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