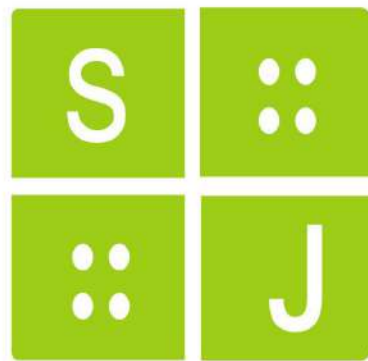


Non Asbestos Jointing Sheets

With World Class Quality



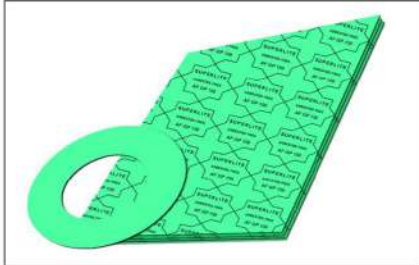
Superlite Jointings Private Limited

(AN IATF : 16949-2016 COMPANY)



GASKET MATERIALS

SUPERLITE[®] AF GP 150



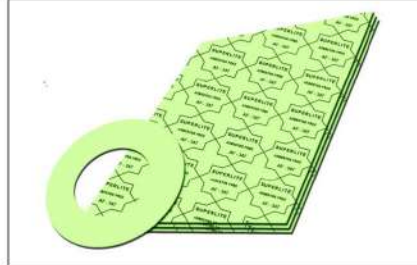
- Organic Fibre
- Nitrile Binder
- Mineral Fibre

Application

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

Properties	Test Method	Specified Value	Unit
Max. Peak Temperature		200	°C
Max. Operating Temperature		165	°C
Max. Operating Pressure		50	bar
Density	ASTM F 1315	1.60-1.90	g/cm ³
Compressibility	ASTM F 36 J	7-17.0	%
Recovery	ASTM F 36 J	≥ 40.0	%
Tensile Strength	ASTM F 152	≥ 7.0	N/mm ²
Gas Permeability	BS 7531	≤ 1.0	ml/min
ASTM Oil No.-3 (5h, 150°C)	ASTM F 146		
Thickness Increase		≤ 15.0	%
Weight Increase		≤ 20.0	%
Fuel B (5h, 23 °C)	ASTM F 146		
Thickness Increase		≤ 20.0	%
Weight Increase		≤ 20.0	%
Water (5h, 100 °C)	ASTM F 146		
Thickness Increase		≤ 10.0	%
Weight Increase		≤ 15.0	%
Stress Relaxation (16h X 175°C 2.00mm)	DIN 52913	≥ 15.0	MPA

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.

Properties	Test Method	Specified Value	Unit
Max. Peak Temperature		250	°C
Max. Operating Temperature		200	°C
Max. Operating Pressure		60	bar
Density	ASTM F 1315	1.60-1.90	g/cm ³
Compressibility	ASTM F 36 J	7-17.0	%
Recovery	ASTM F 36 J	≥ 40.0	%
Tensile Strength	ASTM F 152	≥ 9.0	N/mm ²
Gas Permeability	BS 7531	≤ 1.0	ml/min
ASTM Oil No.-3 (5h, 150°C)	ASTM F 146		
Thickness Increase		≤ 10.0	%
Weight Increase		≤ 15.0	%
Fuel B (5h, 23 °C)	ASTM F 146		
Thickness Increase		≤ 10.0	%
Weight Increase		≤ 15.0	%
Water (5h, 100 °C)	ASTM F 146		
Thickness Increase		≤ 10.0	%
Weight Increase		≤ 15.0	%
Stress Relaxation (16h X 175°C 2.00mm)	DIN 52913	≥ 18.0	MPA

SUPERLITE[®] AF GP STEEL 200

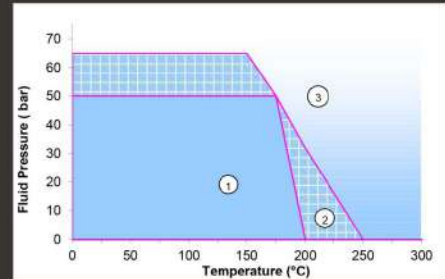
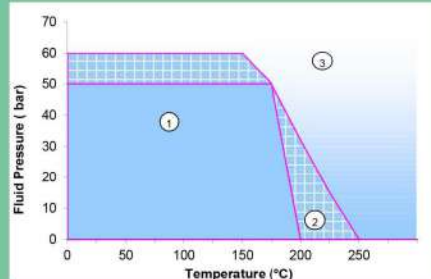
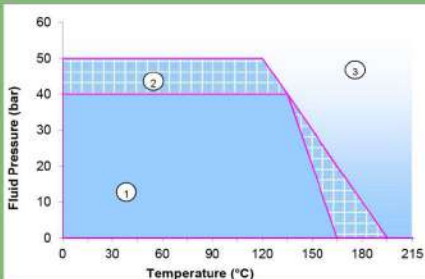


- Organic Fibre, Mineral Fibre
- Nitrile Binder
- Wire Reinforced

Application

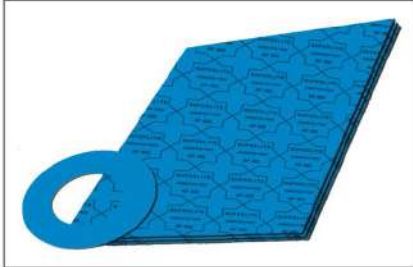
General purpose material with metal insert suitable for medium pressure steam, water, oils, fuels and inert gases for low stress conditions.

Properties	Test Method	Specified Value	Unit
Max. Peak Temperature		250	°C
Max. Operating Temperature		200	°C
Max. Operating Pressure		65	bar
Density	ASTM F 1315	1.70-2.0	g/cm ³
Compressibility	ASTM F 36 J	7-17.0	%
Recovery	ASTM F 36 J	≥ 40.0	%
Tensile Strength	ASTM F 152	≥ 8.0	N/mm ²
ASTM Oil No.-3 (5h, 150°C)	ASTM F 146		
Thickness Increase		≤ 15.0	%
Weight Increase		≤ 20.0	%
Fuel B (5h, 23 °C)	ASTM F 146		
Thickness Increase		≤ 20.0	%
Weight Increase		≤ 20.0	%
Water (5h, 100 °C)	ASTM F 146		
Thickness Increase		≤ 10.0	%
Weight Increase		≤ 20.0	%
Stress Relaxation (16h X 175°C 2.00mm)	DIN 52913	≥ 17.0	MPA



GASKET MATERIALS

SUPERLITE[®] AF - 482



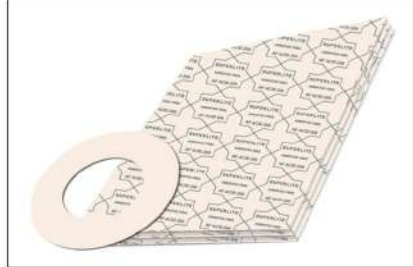
- Aramid Fibre
- Mineral Fibre
- Rockwool Fibre
- High Viscose Nitrile Binder

Application

Suitable for oil, fuels, lubricants, alcohols, gases, hydrocarbons, steam, water, cooling liquids, most diluted acids and alkalis for medium stress conditions and frequent fluctuations in temperature & pressure conditions.

Properties	Test Method	Specified Value	Unit
Max. Peak Temperature		400	°C
Max. Operating Temperature		275	°C
Max. Operating Pressure		100	bar
Density	ASTM F 1315	1.60-1.90	g/cm ³
Compressibility	ASTM F 36 J	7-17.0	%
Recovery	ASTM F 36 J	≥ 50.0	%
Tensile Strength	ASTM F 152	≥ 11.0	N/mm ²
Gas Permeability	BS 7531	≤ 1.0	ml/min
ASTM Oil No.-3 (5h, 150°C)	ASTM F 146		
Thickness Increase		≤ 5.0	%
Weight Increase		≤ 10.0	%
Fuel B (5h, 23 °C)	ASTM F 146		
Thickness Increase		≤ 7.0	%
Weight Increase		≤ 12.0	%
Water (5h, 100 °C)	ASTM F 146		
Thickness Increase		≤ 5.0	%
Weight Increase		≤ 10.0	%
Stress Relaxation (16h X 300°C 2.00mm/1.50mm)	DIN 52913	≥ 20.0	MPA

SUPERLITE[®] AF ACID 200



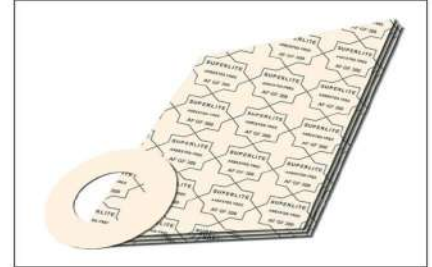
- Aramid Fibre
- CSM Binder
- Organic Fibre

Application

Premium quality acid jointing material, A chemical grade material suitable for most acids, alkalis, oil, fuels and refrigerants for aggressive, environments.

Properties	Test Method	Specified Value	Unit
Max. Peak Temperature		250	°C
Max. Operating Temperature		200	°C
Max. Operating Pressure		60	bar
Density	ASTM F 1315	1.60-1.90	g/cm ³
Compressibility	ASTM F 36 J	7-17.0	%
Recovery	ASTM F 36 J	≥ 40.0	%
Tensile Strength	ASTM F 152	≥ 10.5	N/mm ²
Thickness Increase			
Nitric Acid (40%)		≤ 15.0	%
Sulphuric Acid (96%)		≤ 15.0	%
Sulphuric Acid (65%)		≤ 15.0	%

SUPERLITE[®] AF GF 300

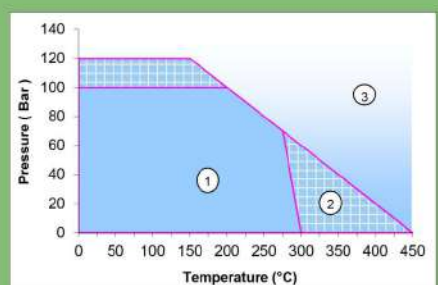
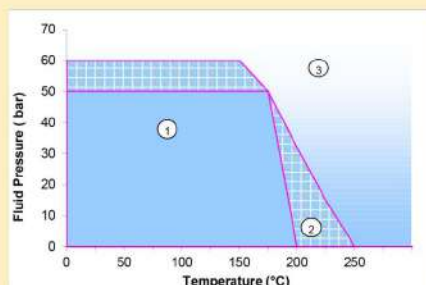
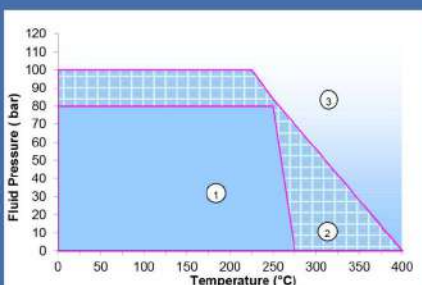


- Glass Fibre
- Aramid Fibre
- Nitrile Binder

Application

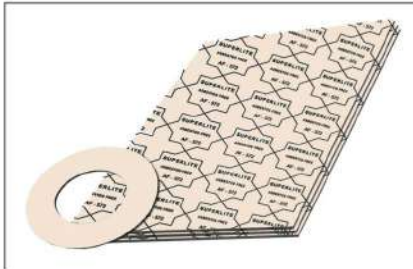
Suitable for oils, fuels, lubricants, alcohols, gases, hydrocarbons, steam, water, cooling liquids, for high stress conditions.

Properties	Test Method	Specified Value	Unit
Max. Peak Temperature		450	°C
Max. Operating Temperature		300	°C
Max. Operating Pressure		120	bar
Density	ASTM F 1315	1.60-1.90	g/cm ³
Compressibility	ASTM F 36 J / BS 7531	5-15.0	%
Recovery	ASTM F 36 J / BS 7531	≥ 50.0	%
Tensile Strength	ASTM F 152	≥ 11.0	N/mm ²
Gas Permeability	BS 7531	≤ 1.0	ml/min
ASTM Oil No.-3 (5h, 150°C)	ASTM F 146 / BS 7531		
Thickness Increase		≤ 10.0	%
Weight Increase		≤ 10.0	%
Fuel B (5h, 23 °C)	ASTM F 146		
Thickness Increase		≤ 10.0	%
Weight Increase		≤ 10.0	%
Water (5h, 100 °C)	ASTM F 146 / BS 7531		
Thickness Increase		≤ 10.0	%
Weight Increase		≤ 10.0	%
Stress Relaxation (16h X 300°C 2.00mm/1.50mm)	DIN 52913 / BS 7531	≥ 25.0	MPA
Flexibility	BS 7531	No Sign of Cracks	-





SUPERLITE[®] AF - 572



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

Application

Suitable for varying temperature from sub zero to high temperature applications excellent resistance to steam, water, oils, hydrocarbons and very low gas permeability

SUPERLITE[®] AF OIL STEEL 350

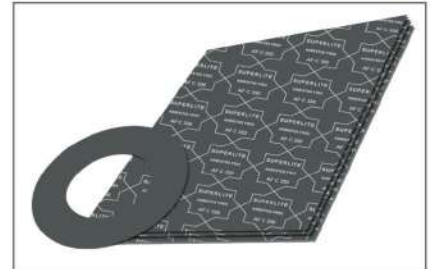


- Mineral Fibre, Aramid Fibre
- Nitrile Binder
- Wire Reinforced

Application

Gasket material with metal insert suitable for oils, fuels, lubricants, alcohols, gases, hydrocarbons, steam, water, cooling liquids, for high stress conditions

SUPERLITE[®] AF C 350



- Carbon Fibre
- Nitrile Binder
- Aramid Fibre

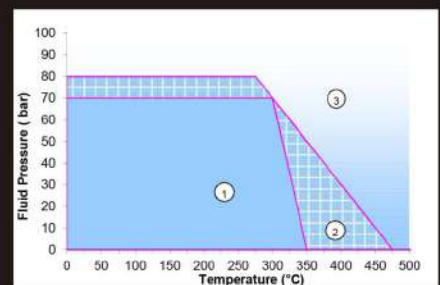
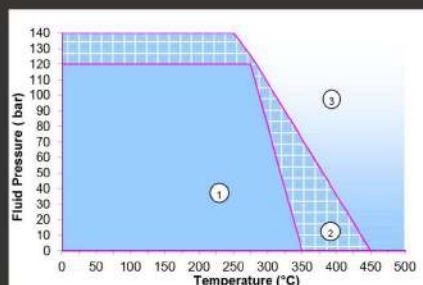
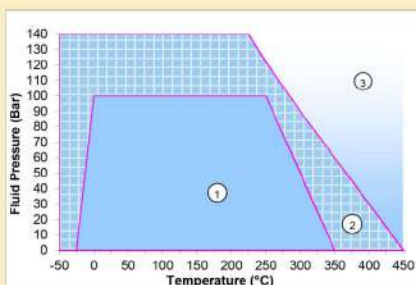
Application

Gasket material suitable for high temperature applications excellent resistance to superheated steam is a typical application specifically designed for chemical industry.

Properties	Test Method	Specified Value	Unit
Max. Peak Temperature		-50-450	°C
Max. Operating Temperature		-25-350	°C
Max. Operating Pressure		140	bar
Density	ASTM F 1315	1.60-1.90	g/cm ³
Compressibility	ASTM F 36 J	5-15.0	%
Recovery	ASTM F 36 J	≥ 45.0	%
Tensile Strength	ASTM F 152	≥ 10.0	N/mm ²
Gas Permeability	BS 7531	≤ 0.50	ml/min
ASTM Oil No.-3 (5h, 150°C)	ASTM F 146		
Thickness Increase		≤ 5.0	%
Weight Increase		≤ 10.0	%
Fuel B (5h, 23 °C)	ASTM F 146		
Thickness Increase		≤ 5.0	%
Weight Increase		≤ 12.0	%
Water (5h, 100 °C)	ASTM F 146		
Thickness Increase		≤ 5.0	%
Weight Increase		≤ 5.0	%
Stress Relaxation (16h X 300°C 2.00mm)	DIN 52913	≥ 30.0	MPA

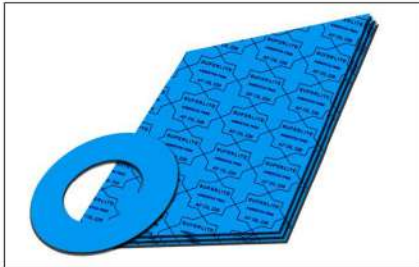
Properties	Test Method	Specified Value	Unit
Max. Peak Temperature		450	°C
Max. Operating Temperature		350	°C
Max. Operating Pressure		140	bar
Density	ASTM F 1315	1.70-2.0	g/cm ³
Compressibility	ASTM F 36 J	7-17.0	%
Recovery	ASTM F 36 J	≥ 40.0	%
Tensile Strength	ASTM F 152	≥ 13.70	N/mm ²
ASTM Oil No.-3 (5h, 150°C)	ASTM F 146		
Thickness Increase		≤ 10.0	%
Weight Increase		≤ 10.0	%
Fuel B (5h, 23 °C)	ASTM F 146		
Thickness Increase		≤ 10.0	%
Weight Increase		≤ 10.0	%
Water (5h, 100 °C)	ASTM F 146		
Thickness Increase		≤ 10.0	%
Weight Increase		≤ 10.0	%
Stress Relaxation (16h X 175°C 2.00mm)	DIN 52913	≥ 28.0	MPA

Properties	Test Method	Specified Value	Unit
Max. Peak Temperature		480	°C
Max. Operating Temperature		350	°C
Max. Operating Pressure		80	bar
Density	ASTM F 1315	1.60-1.90	g/cm ³
Compressibility	ASTM F 36 J	7-17.0	%
Recovery	ASTM F 36 J	≥ 40.0	%
Tensile Strength	ASTM F 152	≥ 8.0	N/mm ²
ASTM Oil No.-3 (5h, 150°C)	ASTM F 146		
Thickness Increase		≤ 10.0	%
Weight Increase		≤ 10.0	%
Fuel B (5h, 23 °C)	ASTM F 146		
Thickness Increase		≤ 10.0	%
Weight Increase		≤ 10.0	%
Water (5h, 100 °C)	ASTM F 146		
Thickness Increase		≤ 10.0	%
Weight Increase		≤ 10.0	%
Stress Relaxation (16h X 300°C 2.00mm)	DIN 52913	≥ 20.0	MPA





SUPERLITE[®] AF OIL 220

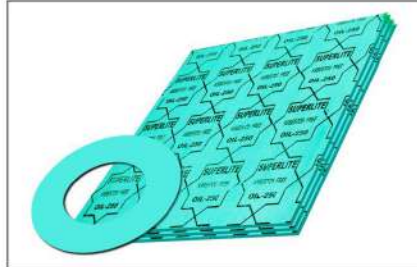


- Organic Fibre, Mineral Fibre
- Nitrile Binder
- Aramid Fibre

Application

Suitable for oils, fuels, lubricants, alcohols, gases, hydrocarbons, steam, water, cooling liquids, most diluted acids and alkalis for Medium stress conditions.

SUPERLITE[®] AF OIL 250

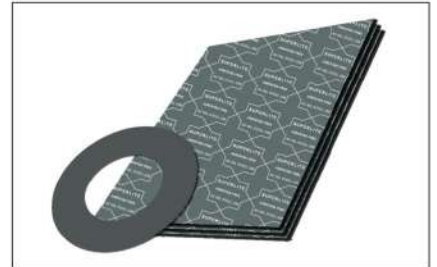


- Aramid Fibre
- Nitrile Binder
- Mineral Fibre

Application

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

SUPERLITE[®] AF OIL STEEL 250



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

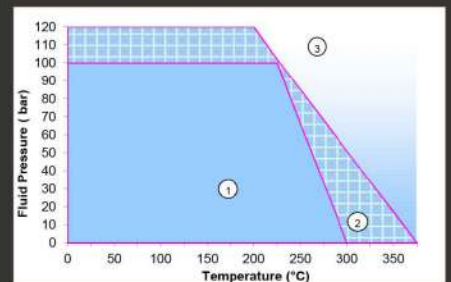
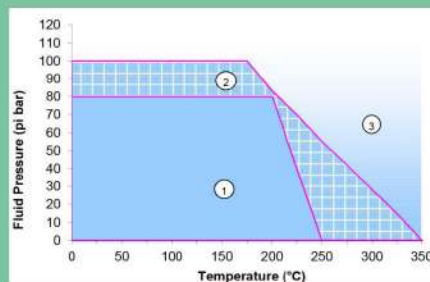
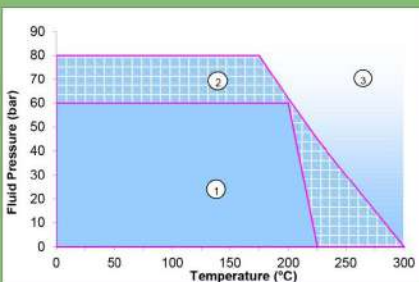
Application

A Premium grade material with metal insert suitable for oils, fuels, lubricants, alcohols, gases, hydrocarbons, steam, water cooling liquids, most diluted acid and alkalis for medium stress conditions.

Properties	Test Method	Specified Value	Unit
Max. Peak Temperature		300	°C
Max. Operating Temperature		225	°C
Max. Operating Pressure		80	bar
Density	ASTM F 1315	1.60-1.90	g/cm ³
Compressibility	ASTM F 36 J	7-17.0	%
Recovery	ASTM F 36 J	≥ 50.0	%
Tensile Strength	ASTM F 152	≥ 9.50	N/mm ²
Gas Permeability	BS 7531	≤ 1.0	ml/min
ASTM Oil No.-3 (5h, 150°C)	ASTM F 146		
Thickness Increase		≤ 10.0	%
Weight Increase		≤ 15.0	%
Fuel B (5h, 23 °C)	ASTM F 146		
Thickness Increase		≤ 10.0	%
Weight Increase		≤ 15.0	%
Water (5h, 100 °C)	ASTM F 146		
Thickness Increase		≤ 10.0	%
Weight Increase		≤ 10.0	%
Stress Relaxation (16h X 175°C 2.00mm)	DIN 52913	≥ 22.0	MPA

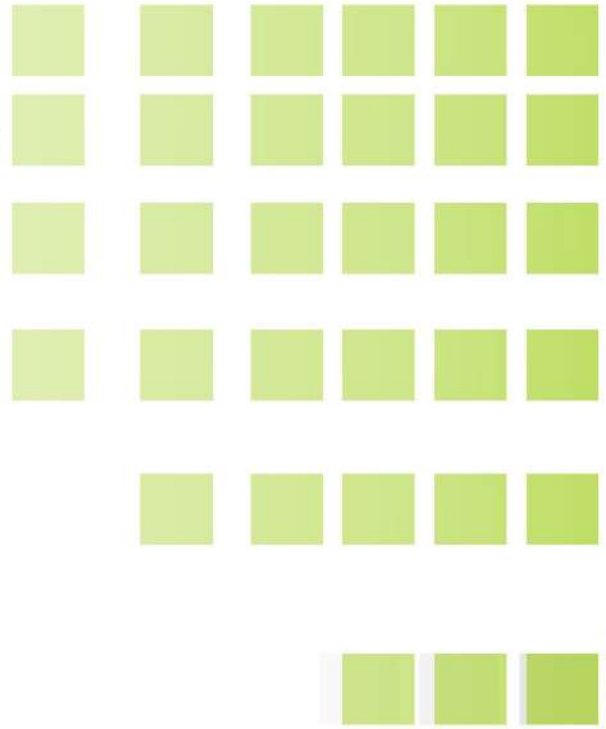
Properties	Test Method	Specified Value	Unit
Max. Peak Temperature		350	°C
Max. Operating Temperature		250	°C
Max. Operating Pressure		100	bar
Density	ASTM F 1315	1.60-1.90	g/cm ³
Compressibility	ASTM F 36 J/ BS 7531	5-15.0	%
Recovery	ASTM F 36 J/ BS 7531	≥ 50.0	%
Tensile Strength	ASTM F 152	≥ 10.50	N/mm ²
Gas Permeability	BS 7531	≤ 1.0	ml/min
ASTM Oil No.-3 (5h, 150°C)	ASTM F 146 / BS 7531		
Thickness Increase		≤ 10.0	%
Weight Increase		≤ 10.0	%
Fuel B (5h, 23 °C)	ASTM F 146		
Thickness Increase		≤ 10.0	%
Weight Increase		≤ 10.0	%
Water (5h, 100 °C)	ASTM F 146 / BS 7531		
Thickness Increase		≤ 10.0	%
Weight Increase		≤ 10.0	%
Stress Relaxation (16h X 300°C 2.00mm/1.50mm)	DIN 52913 / BS 7531	≥ 18.0	MPA
Flexibility	BS 7531	No Sign of Cracks	-

Properties	Test Method	Specified Value	Unit
Max. Peak Temperature		375	°C
Max. Operating Temperature		300	°C
Max. Operating Pressure		120	bar
Density	ASTM F 1315	1.70-2.0	g/cm ³
Compressibility	ASTM F 36 J	7-17.0	%
Recovery	ASTM F 36 J	≥ 40.0	%
Tensile Strength	ASTM F 152	≥ 10.5	N/mm ²
ASTM Oil No.-3 (5h, 150°C)	ASTM F 146		
Thickness Increase		≤ 10.0	%
Weight Increase		≤ 15.0	%
Fuel B (5h, 23 °C)	ASTM F 146		
Thickness Increase		≤ 10.0	%
Weight Increase		≤ 15.0	%
Water (5h, 100 °C)	ASTM F 146		
Thickness Increase		≤ 10.0	%
Weight Increase		≤ 10.0	%
Stress Relaxation (16h X 300°C 2.00mm)	DIN 52913	≥ 22.0	MPA



Superlite®

(AN IATF : 16949-2016 COMPANY)



Manufacturers & Exporters of :
JOINTING GASKET MATERIAL

(Non Asbestos)

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