



## Technical Data Sheet

### BETAFLEX T-450 GF ASBESTOS FREE GASKET JOINTING SHEET



**Applications:**

This product suitable for oils, fuels, lubricants, alcohols, gases, hydrocarbons, steam, water, cooling liquids, pipelines, radiators, boilers and many other instances of flanged joints. most diluted acids and alkalies for high stress conditions.

**Composition(Type of fibres)**

Gasket material based on Aramid Fibre, Glass fibre Fibre, Mineral fibre, inorganic fillers.

**Binders**

NBR

**OPERATING CONDITION**

**Max.Peak Temp**

450°C

**Max. Continuous Temp**

350°C

**Max. Operating Pressure**

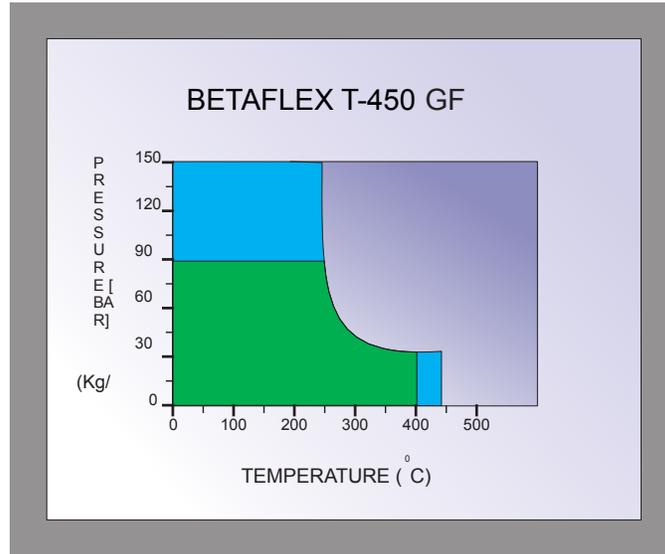
150 Kg/cm<sup>2</sup>

**Physical Properties:**

The following information applies to material thickness 2.00 mm.

S.NO.	PROERTIES	TEST METHOD	UNIT	SPECIFIED VALUE
1.	DENSITY		gm/cm <sup>3</sup>	1.70 - 2.00
2.	TENSILE STRENGTH			
	(a) ACC to ASTM F152(ACROSS GRAIN)		N/mm <sup>2</sup>	> 8
	(b) ACC to DIN52910 (ACROSS GRAIN)		N/mm <sup>2</sup>	>6
3.	COMPRESSIBILITY	ASTM F36A	%	7 – 15
4.	RECOVERY	ASTM F36A	%	> 50
5.	FLUID ABSORPTION	ASTM F 146		
	(a) IN ASTM OIL NO. 3			
	INCREASE IN MASS		%	< 10
	INCREASE IN THICKNESS		%	< 8
	(b) IN FUEL B	ASTM F 146		
	INCREASE IN MASS		%	< 10
	INCREASE IN THICKNESS		%	< 7
	(c) IN WATER/ANTIFREEZE	ASTM F 146		
	INCREASE IN MASS		%	< 10
	INCREASE IN THICKNESS		%	< 7
6.	IGNITION LOSS	DIN 52911	%	< 30
7.	SEALABILITY AGAINST Nitrogen	DIN 3535	cm <sup>3</sup> /min.	< 1.0

8.	STRESS RESISTANCE			
	16h 300 °C	DIN 52913	N/mm <sup>2</sup>	25
	16h 175 °C	DIN 52913	N/mm <sup>2</sup>	30



All details 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. Should you have any doubts about the choice of gasket material, please contact us.

### Betaflex Jointing Pvt Ltd

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