

BETAFLEX JOINTING PVT LTD



Technical Data Sheet

BETAFLEX T-450 CF ASBESTOS FREE GASKET JOINTING SHEET



Applications:

This product has excellent resistance to steam and strong alkaline media. It is used in the chemical and petrochemical industries. CF can also be used for oils, fuels, gases, and general application in paper & pulp industry for application in pipelines, radiators, boilers and many other instances of flanged joints.

Material Composition(Type of fibres)

Gasket material based on Aramid Fiber, Carbon Fiber

Binders

NBR

OPERATING CONDITION

Max.Peak Temp

450°C

Max. Continuous Temp

350°C

Max. Operating Pressure

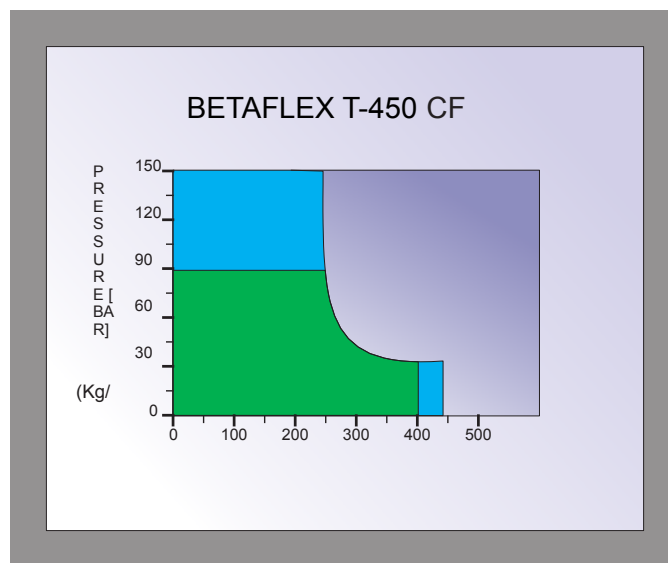
150 Kg/cm²

Physical Properties:

The following Information applies to material thickness 2.00 mm.

S.NO.	PROERTIES	TEST METHOD	UNIT	SPECIFIED VALUE
1.	DENSITY		gm/cm ³	1.70 - 2.00
2.	TENSILE STRENGTH			
	(a) ACC to ASTM F152(ACROSS GRAIN)		N/mm ²	> 8
	(b) ACC to DIN52910 (ACROSS GRAIN)		N/mm ²	> 6
3.	COMPRESSIBILITY	ASTM F36A	%	5 – 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 ³ /min.	< 0.5
8.	STRESS RESISTANCE			
	16h 300 ^o C	DIN 52913	N/mm ²	~ 20
	16h 175 ^o C	DIN 52913	N/mm ²	~ 30



All details 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. Should you have any doubts about the choice of gasket material, please contact to us. Our team will be happy to assist you.

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