"FYSAX" GRADES OF ASBESTOS FREE COMPRESSED FIBRE JOINTINGS

FYSAX AF 1321

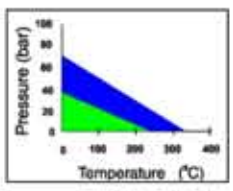
FYSAX AF 1341

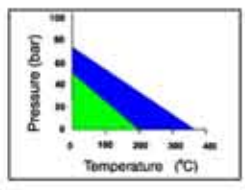
FYSAX AF 1391

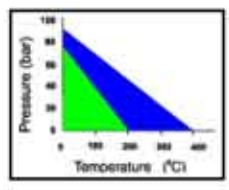
General composition	Synthetic Fibres	Aramid/Mineral/Synth	Aramid/Mineral/Glass
	SBR/NBR	SBR/NBR	NBR/EPDM
Colour/Finish	Green	Black	Yellow
General Properties	Versatile, Economical	Specific oil resistant General purpose	Withstands High Pressure/Temp

General Applications	Low to medium loading, good resistance to oils, water, steam, fuels & chemicals at moderate temperatures & pressures.	Medium loading, excellent resistance to oils, hot water, gases, hydrocarbons and many chemicals.	Medium to high loading, excellent resistance to gases, fuels, oils, mild acids & alkalies and wide range of chemicals.

Specific Properties (Typical values)					
Tensile strength	MPa	DIN 52910	7	8.5	11
Compressibility	%	ASTM F36	11	10	9
Recovery	%	ASTM F 37	50	55	55
Thickness increase		ASTM F 146			
ASTM Oil no.3	%		15	12	8
ASTM Fuel B	%		15	10	9
Stress Relaxation		DIN52913			
50Mpa /300°C /16h	MPa		20	23	25
50 Mpa /175° C /16h	Mpa		22	28	30
Operating Conditions					
Temperature	°C	Max.	325	375	400
		Normal	250	250	275
		with Steam	200	200	200
Pressure	Bar		50	70	90







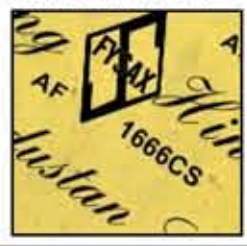
If the temperature/pressure parameters fall in the Green area, material selection can, generally be made without technical evaluation. If they fall in the Blue area, the performance will also depend upon other factors, such as, type and concentration of the medium, flange condition, thickness selection etc, hence a technical evaluation is recommended. If the parameters are in the open area, an evaluation by Technical Services Dept. of HCL will be necessary.
The data provided here is based on research efforts, field and laboratory applications, ideal or prototype conditions and long years of manufacturing experience of the sealing products. Since the actual application or installation depends upon number of variables, the data should not be used to support any waranty claim if used without consultation of HCL in extreme conditions.

FYSAX AF 1535

FYSAX AF 1493

FYSAX AF 1429

FYSAX AF 1666CS

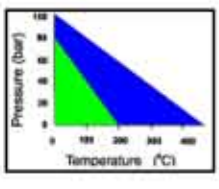


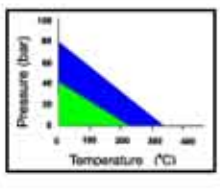
Aramid/Mineral	Aramid./Glass	Aramid/Mineral	Aramid./Mineral/Synth.
NBR/SBR	Butyl	NBR	SBR/NBR
Violet	White	Black-Grey	Yellow
Superior chemical and hydrocarbon resistance	High performance resistant to acids	High performance, oil resistant	Controlled Swell

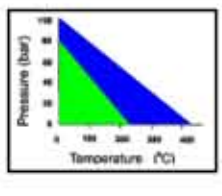
High loading with excellent mechanical strength & resistance to oils/alkalies & wide range of chemicals.	Offers resistance to acids, alkalies and other aggressive media	In addition to superior resistance to gases, water & steam, offers resistance to oils and hydrocarbons under severe operating conditions.	Offers controlled swell properties in oils & fuels. Excellent self sealing with low surface stress.

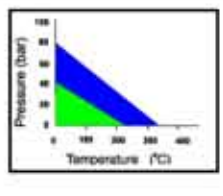
10	9	12	8
9	8	8	11
50	45	60	55
8	10 *	5	25-40
8	12 **	7	15-30
25	25	25	25
28	25	30	28

450	200	425	330
275	160	275	220
225	–	225	180
100	70	100	80









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