



DIRECT GASKETS LIMITED  
UNITS 26 - 36  
DANSOM LANE SOUTH  
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HU8 7LA



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## BS7531 GRADE 'X' NAF

### DESCRIPTION

An asbestos free, high performance compressed sheet sealing material, based on a blend of aramid and inorganic fibres and special additives, with a high quality nitrile rubber binder system.

### SERVICE

A superior performance material with excellent mechanical properties. It is suitable for many applications including: gases, fuels, oils, mild acids, solvents and high pressure steam and oxygen. Suitable for public utilities, water treatment plants and chemical plants etc.

**Max recommended temperature : SHORT TERM 440°C**

**Max recommended temperature : OPERATING 350°C**

**Max recommended temperature : OPERATING STEAM 220°C \***

**Max recommended pressure : 10MPa / 100 BAR / 1500 PSI**

**These temperature and pressure guides cannot necessarily be used simultaneously and may not apply to all thicknesses. The operating temperature for non-asbestos sheet materials is related to the thickness of the material. Thinner materials offer better temperature and pressure properties.**

### APPROVALS/COMPLIANCE

DIN-DVGW (Gas Industry) NG-5123 AR0822

WRAS Potable Water Certificate No. 0405520

BAM (Oxygen service) up to 90°C and 160 BAR

Independently tested to Shell specification MF 94-0960

Complies with BS specification 7531 Grade X

**ALL PRESSURES AND TEMPERATURES ARE SUBJECT TO INDIVIDUAL APPLICATION**



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## TYPICAL PHYSICAL PROPERTIES 'X' NAF

Thickness *		1.5mm *
Density		1.75 g/cc
Tensile Strength	ASTM F152	15 MPa
Compression	ASTM F36	9%
Recovery	ASTM F36	55% min
Residual Stress	BS7531 (300°C)	26 MPa
Gas Leakage	BS7531	<1.0 cc/min
ASTM Oil 1	Thickness Increase	1.0%
IRM 903 Oil	Thickness Increase	2.5%
ASTM Fuel B	Thickness Increase	3.0%

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