



DIRECT GASKETS LIMITED  
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## BS7531 GRADE 'X' WIRE REINFORCED NAF

### DESCRIPTION

A mild steel wire mesh reinforced, high quality asbestos free material which complies with the test requirements for BS7531 Grade X. Composed of aramid/inorganic fibres, bonded with Nitrile elastomer. The formulation gives the material good chemical stability and an excellent resistance to creep at high temperature. This material has a fine, mild steel mesh reinforcement and is graphited.

### SERVICE

High temperature applications. It is suitable for: gases, oils, solvents and high pressure steam, most dilute acids and alkalis and oxygen. The mild steel wire reinforcement is particularly suitable for absorbing vibration and applications requiring a higher load bearing capacity.

**Max recommended temperature : SHORT TERM 450°C**

**Max recommended temperature : OPERATING 250°C**

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

**Max recommended pressure : 16.4MPa / 166 BAR**

**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

Complies with BS specification 7531 Grade X

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



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## TYPICAL PHYSICAL PROPERTIES 'X' WIRE REINFORCED NAF

Thickness *		1.5mm *
Density		1.97 g/cm <sup>3</sup>
Tensile Strength	ASTM F152	20 MPa
Compression	ASTM F36J	9%
Recovery	ASTM F36J	60%
Residual Stress	BS7531 (300°C)	29.5 MPa
Fluid Immersion (thickness	ASTM Oil No. 1	1.5%
Fluid Immersion (thickness increase)	ASTM Oil No. 3	2.5%
Fluid Immersion (thickness increase)	ASTM Fuel B	2.2%

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