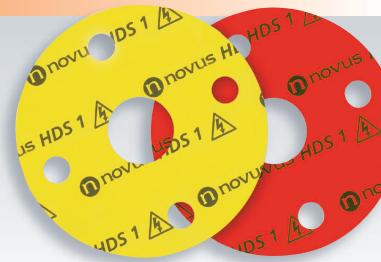




Data / Specification Sheet · Novus HDS-1

Novus HDS-1 is a superior performance high dielectric strength universal compressed sheet gasket material, based on a blend of aramid / inorganic fibres and special additives with a high quality nitrile rubber binder system.



Service

Novus HDS-1 is a superior performance material with excellent mechanical properties, it is suitable for many applications including oils, solvents, high pressure steam and gases including oxygen. Novus HDS-1 has very high dielectric strength which makes it an ideal insulating material.

Approvals / Compliance

Complies with BS Specification 7531 Grade X

TA-LUFT (in accordance with VDI 2440)

Availability

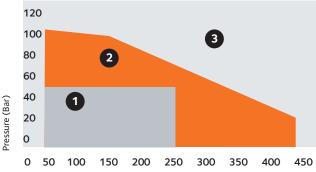
Thickness range: 0.5mm to 6.0mm

Standard sheet sizes: 2.0m x 1.5m

Physical properties

Thickness		1.5mm
HIICKHESS		1.311111
Density		1.75g/cc
Tensile Strength	ASTM F152	15MPa
Compression	ASTM F36	9%
Recovery	ASTM F36	55% min
Residual Stress	BS 7531 (300°C)	26MPa
	DIN 52913	32MPa
Gas Leakage	BS 7531	<1.0cc/min
ASTM Oil 1	Thickness increase	1.0%
IRM 903 Oil	Thickness increase	2.5%
ASTM Fuel B	Thickness increase	3.0%
Dielectric Strength	ASTM D149-95a	22-28 kv/mm

Novus HDS-1 Pressure/Temperature Limits



Temperature (°C)

- Suitable subject to chemical compatibility.
- 2 Suitable in some cases but check your application requirements with Flexitallic.
- 3 Contact the Technical Team for applications with higher temperatures and pressures. Applicable to 1.5mm and below.

The operating temperature of non-asbestos sheet material is related to the thickness of materials selected. Thinner materials give better temperature and pressure properties.

As the company's products are used for a multiplicity of purposes and as the company has no control over the method of their applications or use, the company excludes all conditions or warranties, expressed or implied by statute or otherwise, as to their products and/or their fitness for any particular purpose. Any technical co-operation between the company and the customer is given for customers assistance only, and without liability on the part of the company.