

novus **HDS-1**

**Gasket Material suitable for
Flange Insulation Kits**

- Available in sheet form
- Available in Flange Insulation Kits

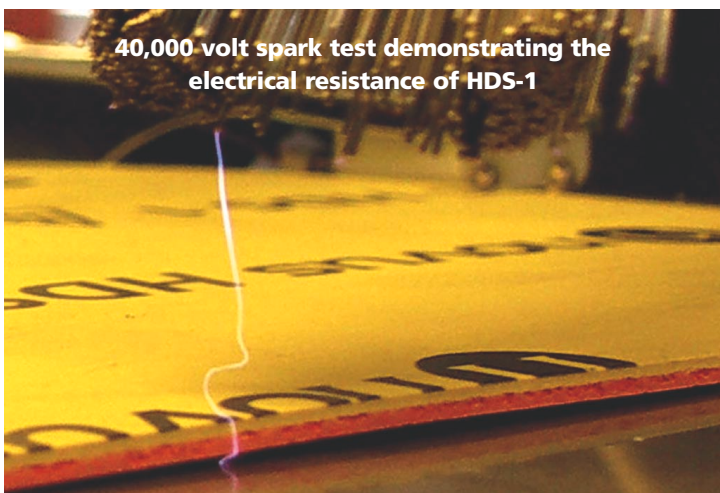
Material Specification

DESCRIPTION

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

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.

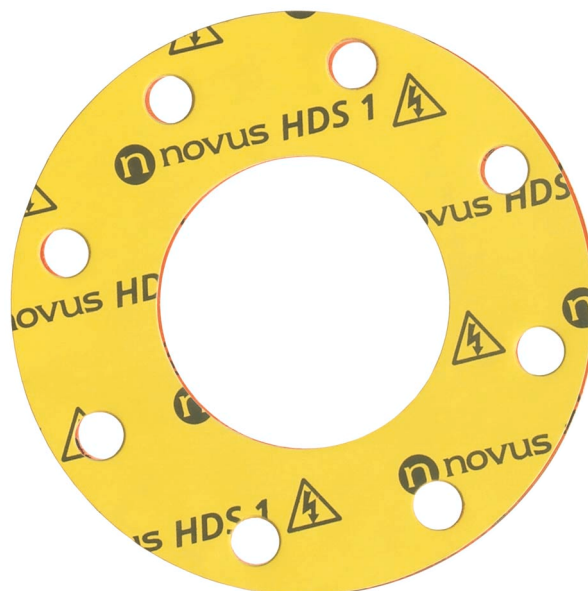


APPROVALS / COMPLIANCE

Complies with BS Specification 7531 Grade X
TA-LUFT (in accordance with VDI 2440)

AVAILABILITY

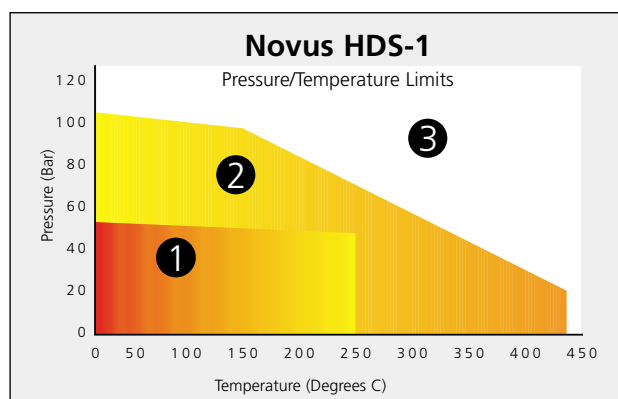
Thickness range = 0.5mm to 6.0mm
Standard sheet sizes = 2.0m x 1.5m



Colour - Face Yellow, Reverse Red

GASKET PHYSICAL PROPERTIES

Thickness		1.5mm
Density		1.75g/cc
Tensile Strength	ASTM F152	15MPa
Compression	ASTM F36	9%
Recovery	ASTM F36	55%min
Residual Stress	BS7531 (300°C) DIN 52913	26MPa 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



- ① Suitable subject to chemical compatibility
- ② Suitable in some cases but check your application requirements with Novus
- ③ Contact the Novus 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.

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