



Manufacturers and distributors of sealing
and Jointing Materials

DATA / SPECIFICATION SHEET

Novus Hi-Temp

DESCRIPTION

Novus Hi-Temp consists of phlogopite mica paper impregnated with a high quality silicone binder.

Mica is a aluminosilicate of mineral origin, which has a lamellar and non fibrous structure representing an excellent alternative to asbestos at high temperatures. This material gives Novus Hi-Temp its thermal characteristics - weight loss at 800°C(1472°F) less than 5% - and its chemical resistance to solvents, acids, bases and mineral oils.

SERVICE

Novus Hi-Temp is developed specially for high temperature applications (up to 1000°C) as a sheet material, filler for spiral wound gaskets or facing for camprofiles. The material offers outstanding resistance to elevated temperatures as well as good sealability at moderate pressures

APPLICATIONS

Exhaust manifolds, gas turbines, gas and oil burners, heat exchangers

FEATURES

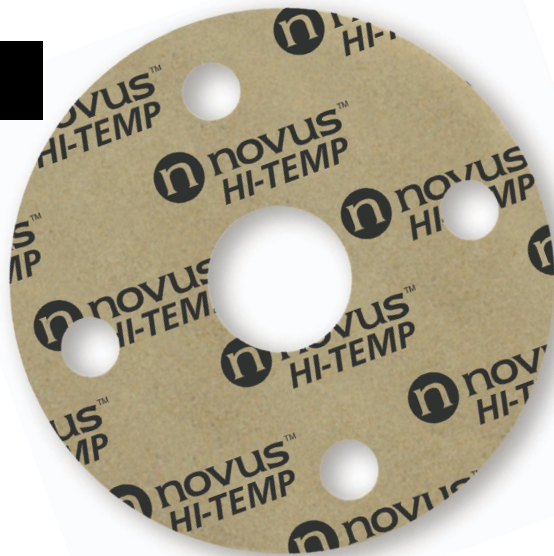
Maximum continuous service temperature 1000°C

Maximum operating pressure Spiral Wound 100 bar*

Maximum operating pressure Camprofile 20 bar

Maximum operating pressure Sheet with or without Tanged insert, 5 bar

*Within a zonal spiral wound gasket ie. windings of mica and graphite



AVAILABILITY

In rolls or sheets with or without tanged insert (1200 x 1000mm) as winding strip for spiral wound gaskets

STORAGE

Should be stored in a cool dry place away from sources of humidity

TYPICAL PHYSICAL PROPERTIES

Thickness	mm	0.1 - 3
Density (IEC371-2)	g/cm ³	1.9 (1.75*)
Tensile Strength (DIN52910)	N/mm ²	20
Compressibility (ASTM F36J)	%	25 (30*)
Recovery (ASTM F36-J)	%	35 (20*)
Dielectric Strength (IEC243 - 23°C)	kV/mm	± 20
Creep Strength (DIN 52913)		
50Mpa, 300°C*	N/mm ²	± 40
7252 psi, 572°F*	psi	5.800
Binder		Silicon Resin
Resin Content	%	± 10

*The measurement was performed on Novus Hi-Temp with a pegged steel insert.

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