



Nexus Pump and Valve Packing

DATA SHEET



Nexus Style 4109 Tape

Description

Style 4109 tape is made by firstly braiding an Inconel Wire sleeve around each yarn of pure Expanded Graphite Yarn. This is then braided into a rectangular packing with a very high pressure capability. The benefit of an Expanded Graphite gasket is enhanced by the use of a Glass Fibre leader to ensure high temperature compatibility without volume loss. This product has the characteristic heat dissipation qualities, good sealing ability, high chemical resistance and high compressibility properties of Expanded Graphite as well as the added pressure capability due to the inclusion of Inconel wire around each strand of Graphite.

Construction

Style 4109 is made from a braided packing construction of Expanded Graphite fibre tape with an Inconel wire sleeve reinforcement to withstand the most arduous conditions. The product is formed into a rectangular shape and an adhesive tape is applied to assist with installation.

Application

This product is suited for flange gaskets of any size. It is a substitute for most pre-cut gaskets and cut to size gaskets. It soon becomes an essential part of every artisan's toolbox. Simply clean the flange, remove the adhesive paper backing and apply the product to the flange sealing surface.

Specification

<u>Item</u>	<u>Unit</u>	<u>Magnitude</u>
Tolerance of density	g/cm ³	≤ ± 0.05
Tolerance of thickness	mm	≤ ± 0.03
Carbon content	%	98 ~ 99.9
Tensile strength	MPa	≥ 3.5
Compressibility	%	25 ~ 30
Resilient Rate	%	> 15
Sulphur content	ppm	< 1000
Chlorine content	ppm	< 50
Total Fluorine Content	ppm	< 20
Ignition Loss	%	< 10 (300°C @ 3 hours)
Volumetric Density	g/cm ³	1.0 ~ 1.3
Working Temperature	°C	-200 ~ +450 (Oxidising) -200 ~ +650 (Non-oxidising)
Pressure	bar	140
Dimensional Deviation	mm	Axial 0.00 ~ +0.50 Radial 0.00 ~ -0.50
Ash Content in Graphite	%	< 1.5
pH	pH	0 - 14