

Technical Data Sheet

MATERIAL PROPERTIES*: **THERMICULITE 715**

DESCRIPTION: Thermiculite 715 is a superior performance sheet sealing material comprising chemically exfoliated and thermally exfoliated vermiculite with aramid and synthetic fibres bound with a high quality nitrile rubber.

Thermiculite 715 complies with the requirements of the BS7531 Grade X Specification.

COLOUR: Brown

SERVICE: Thermiculite 715 is a high performance coreless material suitable for use in a wide range of demanding and general industrial sealing applications. The material possesses excellent resistance to most chemical media and is suitable for sealing steam, acids, alkalis and virtually all general industrial chemicals.

Maximum recommended temperature: 540°C (1000°F)

Maximum recommended pressure: 14 MPa (140 bar; 2030 psi)

These temperature and pressure guides cannot necessarily be used simultaneously and may not apply at all thicknesses.

Proprietary release agents are applied. The recommended maximum continuous service temperature for 1.5 mm thick Thermiculite 715 is 450°C (850°F).

Do NOT use gasket pastes



TYPICAL PHYSICAL PROPERTIES:

Thickness		1.5 mm
Density	gcm ⁻³	1.8
ASTM Compressibility	%	10
ASTM Recovery	%	45
BS Residual Stress @ 300°C	MPa	25
BS Gas Permeability	mL/min	<0.1
ASTM Tensile Strength	MPa	9
Thickness Increase ASTM Oil 3	%	1.4
Thickness Increase ASTM Fuel B	%	0.2
Weight Increase ASTM Oil 3	%	17.7
Weight Increase ASTM Fuel B	%	11.3
ASTM F38 Creep Relaxation	%	42.9
ASTM F37 Liquid Leakage (Fuel A at 10 psi; Gasket Stress 1000 psi)	mL/hour	1.4
ASTM F37 Liquid Leakage (Fuel A at 50 psi; Gasket Stress 1000 psi)	mL/hour	12.3
Thermal Conductivity	W/m/K	0.3

AVAILABILITY: Sheet size: 1.5 m x 1.5 m
 Thickness range: 0.75 to 3mm

Notes: * This is a general guide and should not be the sole means of selecting or rejecting this material. This data sheet covers basic information, for more comprehensive information, please contact us.

Asbestos Free



Certificate Number: 14352
 ISO 9001



Care should be taken in selecting the most suitable quality for each application. Advice is available, but final responsibility remains with the customer.

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