THERMICULITE 815

PRODUCT DESCRIPTION

THERMICULITE 815 is a high-temperature, chemically-resistant sheet sealing material comprising exfoliated vermiculite reinforced with a tanged stainless steel core.

This material is comprised of a tanged 316 Stainless Steel core faced with a high performance vermiculite based sealing material. The metallic core provides improved blow out resistance, handling and cutting characteristics.

Thermiculite 815 is suitable for use in a wide range of sealing applications. The material is capable of affecting a high integrity seal at extremes of temperature. Typical applications involve sealing superheated high-pressure steam, strong oxidising media and high-temperature gas and exhaust systems.

MAXIMUM RECOMMENDED TEMPERATURE: 1050C (1920F)

MAXIMUM SERVICE PRESSURE: 20MPA (200 BAR; 2900 PSI)

API607 FIRE-SAFE

MATERIALS	
Facing Material	Thermiculite
Reinforcement	Tanged 316 Stainless Steel UNS S31600
Bond Type	Mechanical
Colour	Golden

TYPICAL PHYSICAL PROPERTIES		
Thickness	1.5mm	3.0mm
Facing Density	1.2gcm-3	1.2gcm-3
ASTM F36A Compressibility	44%	44%
ASTM F36A Recovery	9%	8%
BS 7531 Gas Permeability	0.13mL/min	0.17mL/min
BS 7531 Stress Retention @ 3000C	31MPa	17MPa
Sulphur Content	<50ppm	<50ppm
Chloride Ion Content	<50ppm	<50ppm
M & Y Values	M=2	Y=2494PSI

Temperature and pressure values cannot be reached simultaneously. This technical data sheet is a result of laboratory tests. E.Dobson & Co is issuing this data sheet as a pure informative document. More details and information are available from our technical department.

E DOBSON AND CO [GASKETS] LTD
UNIT 1 HOLME MILL IND ESTATE, FELL LANE
KEIGHLEY, WEST YORKSHIRE BD22 6BN

TEL: +44) 01535 607257
EMAIL: SALES@DOBSONGASKET.COM
WEB: DOBSONGASKET.COM