

FLEXPRO™ THERMICULITE® 845

Flexpro™ Thermiculite® 845 is a critical service gasket designed for use in applications involving high temperatures and aggressive chemical media.

Thermiculite®



SERVICE:

Flexpro™ Thermiculite® 845 consists of a serrated metal core onto which is bonded a vermiculite based sealing face. The metallic core provides gasket rigidity and blow-out resistance while the soft Thermiculite® 845 facing provides exceptional sealing performance.

Flexpro™ Thermiculite® 845 gaskets are suitable for use in a wide range of sealing applications. They are capable of creating a high integrity seal in the most demanding environments, even in load compromised situations. Typical application include superheated steam, strong oxidising media and elevated temperature service. The metallic core material can be selected to suit specific applications.

Flexpro™ gaskets can be manufactured to recognised international standards or to suit bespoke connections. This gasket style is commonly used in TEMA type flanges on shell and tube heat exchanges and can be fitted with pass bars to suit any design.

API 6FB Fire-safe.

Maximum recommended temperature:
1000°C (1832°F)

Maximum recommended pressure:
ASME B16.5 Class 2500. EN 1092-1 PN400 rated pressure systems

MATERIALS:

Facing material: Thermiculite®

Serrated metallic core:
Application dependent. A wide range of materials are available.

Bond type: Adhesive

GASKET CONFIGURATION:

Flexpro™ gaskets are available in several styles with various serration profiles.

Style PN - Sealing element only.

Style ZG - Sealing element with integrated outer ring.

Style ZA - Sealing element with loose outer ring.

Serration profiles are Flexitallic standard or user requested to match the facing material and application. Flexpro™ gaskets can be supplied with original DIN 2697, shallow, modified or convex serration profile.

Specialised designs incorporating asymmetric thicknesses or extra thick cores can be specified.

AVAILABILITY:

Gasket size: Up to 5m diameter

Thickness range: Standard total uncompressed thickness range 3mm to 5mm.

Please contact our Applications Engineering Department for applications outside of these parameters.

Colour: Gold

TYPICAL PHYSICAL PROPERTIES (FACING MATERIAL):

Thickness	0.5mm
Density	1.2 to 1.3gcm ³
ASTM F152 Tensile Strength	4.3MPa
Leachable Chloride Ion Content	<50ppm
Leachable Fluoride Ion Content	<50ppm

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