

Milliken® Infrastructure Solutions

RidgeBack™

Clamping Pad Kit for Active Leak Repair



The RidgeBack system utilizes a mechanical clamping method comprised of a size-specific gasket lined FRP shell that is engaged with metallic compression bands. The unique design enables compressive forces to be localized into specific areas of interest for greater sealing capability. The system is designed for the repair of active leaks up to 150 psi.

The system's gasket type is matched to the appropriate chemical and temperature service of the piping repair section. The RidgeBack system is typically used in conjunction with an additional over-wrap system determined by chemical service to provide an extended service leak repair. The system also offers a non-intrusive, easy-to-use piping remediation method that can add structural reinforcement while functioning as a pressure containment device.

Mechanical Properties (FRP Pad)

PROPERTIES	UNITS	METHOD	VALUES
Pad Color			Gray
Pad Thickness	inches		0.25
Tensile Strength	PSI	D3039	54,000
Tensile Modulus	PSI	D3039	3.08 x 10 ⁶
Interlaminar Shear Strength	PSI	D3165-07	8,200
Compressive Strength	PSI	D695	28,500
Barcol Hardness		D-2583	53
Glass Transition		ISO 11357-2	302°F

Physical Properties (Standard Service Gasket Pad)

PROPERTIES	UNITS	METHOD	VALUES
Color			Black
Elongation	%	DIN 53505	225
Tensile Strength	PSI	DIN 53504	1,500
Hardness	SHORE A		60
Temperature	°F		250

Physical Properties (Chemical Service Gasket Pad)

PROPERTIES	UNITS	METHOD	VALUES
Color			White
Elongation	%	DIN 53505	225
Tensile Strength	PSI	DIN 53504	1,885
Hardness	SHORE D		65
Temperature	°F		500

Typical Uses

- Refineries
- Processing Plants
- Mining
- Irrigation

Benefits

- Effective up to 150 psi
- Temperature rated to 250 °F
- Installs rapidly – minimal down time
- Suitable for chemical service

Storage

5 year shelf life when stored @ 75 °F.



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