

Milliken® Infrastructure Solutions

LeakStop™

Mechanical Clamping System



The **LeakStop system** is a mechanical clamping method comprised of a size specific gasket lined FRP shell that is engaged with metallic compression bands. The system is designed for the repair of active leaks up to 100 psi. The system's gasket type is matched to the appropriate chemical and temperature service of the piping repair section. The LeakStop system is typically used in conjunction with an additional over-wrap system determined by chemical service to provide an extended service leak repair. The LeakStop system offers a non-intrusive easy to use piping remediation method that can add structural reinforcement while functioning as a pressure containment device.

Mechanical Properties

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

The system is ideal for short-term, temporary repairs in the following areas:

- Refinerie
- Processing Plants
- Irrigation
- Mining

Benefit

- Creates a pressure boundary up to 100 psi
- Addresses a wide range of chemical service
- Even dispersion of clamping force
- Prevents collapse of pipe wall
- Temperatures up to 250°F (121°C)

Storage

5 year shelf life when stored @ 75 °F.



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