



**Manufacturer's Rubber & Supply**  
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## *MRS-Seal™*

### *Expanded PTFE Joint Sealant*



**Soft & Conformable**

**100% virgin PTFE**

**FDA Compliant**

**Easy Installation &  
Removal**

*MRS-Seal™* form-in-place is ideal for a wide variety of sealing applications, including:

- ▶ *Raised Face & Flat Face Flanges*
- ▶ *Metal, Plastic & Glass-Lined Flanges*
- ▶ *Rough, Scratched, Pitted & Otherwise Damaged Flanges*
- ▶ *Round, Oval, Rectangular, Complex & Irregular Flanges*
- ▶ *Pump & Compressor Housing Flanges*
- ▶ *Boiler & Pressure Vessel Manholes & Handholes*
- ▶ *Heat Exchangers*
- ▶ *Misc Lids, Access Plates, Ducts, etc.*

# MRS-Seal Sealant

## Description

**MRS-Seal SEALANT** is a soft, compressible gasket material made of 100% pure, expanded PTFE. It is a form-in-place gasket that conforms to almost any sealing surface. Upon compression, it forms a thin, hard ribbon that fills in surface irregularities and creates an extremely tight seal. It is capable of withstanding a wider range of pressures, temperatures and chemical environments than any other soft gasket.

**MRS-Seal SEALANT** can be used in just about any accessible bolted joint that features a flat or serrated sealing surface. It is also easy to install and remove, making it a highly versatile and cost-effective solution for many demanding sealing applications.

## Features

**Form-In-Place** – conforms to any surface, including rough, pitted, scratched and damaged surfaces.

**Flexible** – can be installed on round, oval, rectangular and complex surfaces.

**Chemically Resistant** – made without fillers or binders, our 100% PTFE Readi-Seal™ exhibits the same chemical inertness of pure virgin PTFE.

**Adhesive-Backed** – convenient adhesive strip and peel-off backing allow easy installation on both horizontal and vertical surfaces.

**MRS-Seal SEALANT** has an **Unlimited Shelf Life**, shows **N Age Deterioration**, and **Resists Creep & Cold Flow**

## Available Sizes

Width	Standard Lengths		Bulk Lengths	
1/8"	50-ft	100-ft	500-ft	1000-ft
3/16"	75-ft	150-ft	500-ft	750-ft
1/4"	50-ft	100-ft	250-ft	500-ft
3/8"	25-ft	50-ft	150-ft	250-ft
1/2"	15-ft	30-ft	100-ft	150-ft
5/8"	15-ft	30-ft	100-ft	150-ft
3/4"	15-ft	30-ft	50-ft	100-ft
1"	15-ft	30-ft	50-ft	75-ft

Intermediate lengths available upon request.  
Custom sizes and shapes also available.

## Installation Instructions

1. Select a **MRS-Seal SEALANT** width that is 1/3-1/2 the width of the sealing surface.
2. Clean sealing surface.
3. Cut off a length of Readi-Seal™ that is several inches longer than the circumference of the seal surface.
4. Remove the peel-off backing.
5. Press the Readi-Seal™ into place, beginning at or near a bolt hole. Apply to center of the seal surface, overlapping the ends in an "X" fashion
6. Bolt up mating surfaces, using normal bolt torques and proper tightening sequence.

## Specifications & Testing

<b>Temperature Range</b>	-450°F to 600°F (-268°C to 316°C)	<b>FDA Compliant</b>	PTFE to 21 CFR 177.1550 Adhesive to 21 CFR 175.105
<b>Pressure Range</b>	F.V. to 3,000 psi (F.V. to 210 Bar)	<b>Independent Laboratory Testing</b>	ASTM F36 Compressibility 64-69%
<b>pH Range</b>	0-14		ASTM F38 Creep Relaxation 38-40%
<b>Pressure x Temperature (psi x °F), max</b>	350,000	<b>In-House Testing</b>	5,500 psi Hydraulic Pressure – 1/4" Material – 1,000 hrs without leakage