

# LAMONS ISOMATE™

## Sealing/Isolating Gaskets and Flange Isolation Kits

The ISOMATE™ sealing/isolating gasket is designed for basic applications where electrical flange isolation and corrosion control are required on pipes containing water/wastewater, gas, natural gas, oil, and other hydrocarbon-based medias up to 175°F (79°C). Available for flat face and raised face joint flanges from 1/2" to 24", ANSI 150-300#, PN 20-50, the ISOMATE™ gasket is an economical solution for basic performance. The ISOMATE™ sealing/isolating gasket consists of a phenolic retainer faced on both sides with nitrile rubber material.



### APPLICATIONS

ISOMATE™ gaskets are designed to provide reliable sealing and electrical isolation for a wide variety of basic applications.

The industry has improved sealing technology in retainer type gaskets with engineered seal elements and groove designs. DEFENDER™ and ISOGUARD™ sealing systems should be reviewed, specified, and used when a long-term maintenance-free solution is necessary.

### RETAINER MATERIAL

- Phenolic
- Retainer Thickness 1/8" (0.125") (3.18 mm)

### GASKET/RETAINER MATERIAL SPECIFICATIONS

ASTM	TEST METHOD	RUBBER FACED PHENOLIC
D149	Dielectric Strength Volts/Mil Short Time	500
D695	Compressive Strength (psi)	25,000
D570	Water Absorption (%)	1.60
D790	Flexural Strength (psi)	22,500
D256	IZOD Impact Strength (Ft-Lbs/Inch)	1.20
D638	Tensile Strength (psi)	20,000
D732	Shear Strength (psi)	10,000
D952	Bond Strength (lb)	1,500
	Temperature - Operating	-65°F (-54°C) to +220°F (+104°C)

Note: Operating temperature for gaskets and flange isolation kits are based off the gasket retainer temperature. Seal element temperature does not dictate the minimum and maximum gasket operating temperature.

### SEAL ELEMENT MATERIALS

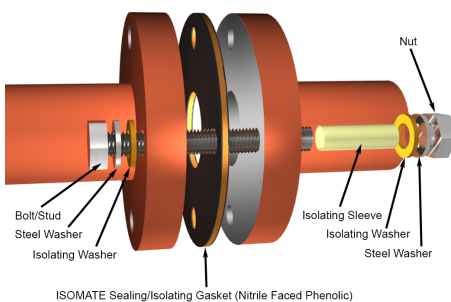
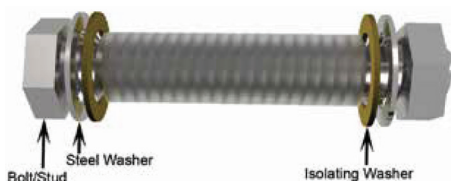
- Nitrile

### SEALING ELEMENT MATERIAL SPECIFICATIONS

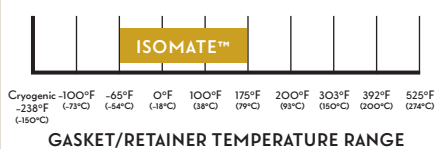
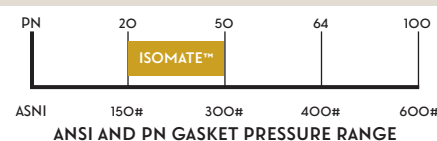
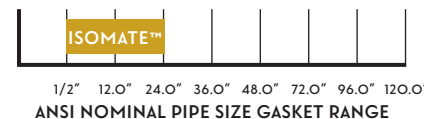
Sealing Element	Temperature - Operating
Nitrile	-40°F (-40°C) to +250°F (+121°C)

### GENERAL FEATURES

- Sealing and Isolating Gasket
- Type E or F Gaskets

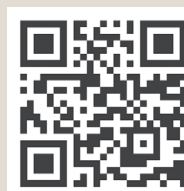


ISOMATE Sealing/Isolating Gasket (Nitrile Faced Phenolic)



For applications outside ranges shown, consult factory.

To contact a Lamons office near you, visit our website.



Lamons Global Headquarters  
7300 Airport Blvd.  
Houston, Texas 77061 USA

Worldwide: +1 713.222.0284  
U.S./Canada Toll Free: 800.231.6906

Info@Lamons.com

**Lamons**™  
MANUFACTURING AND SERVICE CO.

LAMONS.COM

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