



Isolast® J9567

MAXIMUM CHEMICAL RESISTANCE WITH A LOW COST OF OWNERSHIP



Isolast® J9567 is our new technically advanced perfluoroelastomer with improved acid, water and steam resistance suitable for a wide range of demanding processing environments.

The Isolast® range of high specification perfluoroelastomer compounds has been developed to provide equipment manufacturers and end users with sealing solutions compatible with virtually all chemical media, over the widest temperature range possible. Unique Isolast® formulations give real benefits and cost advantages by providing optimum seal reliability and extending service life.

Isolast® J9567 is engineered to deliver premium performance, with a low cost of ownership. It is a technically advanced multi-purpose perfluoroelastomer compound developed to give excellent chemical resistance in a broad range of chemical media at continuous operating temperatures from -10 °C to +225 °C/+14 °F to +437 °C. Performance is further enhanced by excellent compression set characteristics, which ensure high elasticity, minimizing the risk of seal failure. A truly versatile perfluoroelastomer, it is suitable for use in a wide range of applications in the chemical processing and hydrocarbon refining industries, lacquer and paint applications, pumps, valves and power generation equipment.

Special Features

- Outstanding chemical resistance to a wide range of chemicals
- Exceptional acid and amine resistance
- Excellent long-term compression set characteristics
- Offers significant cost savings and a low cost of ownership

Typical Applications

- Chemical processing
- Hydrocarbon refining
- Mechanical seals
- Rotating equipment such as mixers, pumps, and centrifuges
- Flow regulation including valves
- Filters, flanges and coupling
- Lacquer, print and coating systems
- Power generation equipment including compressors

Isolast® J9567 is available in all standard international O-Ring sizes along with custom-engineered solutions and FlexiMold™ large diameter joint free seals.

MATERIAL DATASHEET FOR J9567

General data	J9567
Basic polymer	FFKM
Color	black
Hardness	75+/-5 Shore A
Temperature range	-10 °C to +225 °C +14 °F to +437 °F
Excursion temperature*	-10 °C to +250 °C +14 °F to +482 °F

Properties	Standard	Typical Results
Density	ISO 2781	1.97 g/cm ³ /0.071 lb/in ³
Tensile Strength	ISO 37	12.7 MPa/1842 psi
Modulus at 100% Elongation	ISO 37	8.8 MPa/1276 psi
Elongation at Break	ISO 37	118%
Compression Set 24 h/+200 °C/+392 °F	ISO 815 Type B	16.6%
Low Temperature Behavior TR 10 point	ISO 2921	-6 °C/+21.2 °F
Fluid Immersion Testing: Toluene 168 h/+23 °C/+73.4 °F Change in Volume	ISO 1817	+1.0%
Fluid Immersion Testing: Glacial Acetic Acid 168 h/+100 °C/+158 °F Change in Volume	ISO 1817	+3.2%
Fluid Immersion Testing: 98% Sulphuric Acid 1176 h/+40 °C/+104 °F Change in Volume	ISO 1817	+0.9%
Fluid Immersion Testing: Acetone 1176 h/+23 °C/+73.4 °F Change in Volume	ISO 1817	+1.7%
Fluid Immersion Testing: Sodium Hydroxide 50% 1176 h/40 °C/+104 °F Change in Volume	ISO 1817	+0.1%
Fluid Immersion Testing: Ethylene Diamine 168h/+40 °C/+104 °F Change in Volume	ISO 1817	+2.8%

*Maximum and minimum temperatures have to be agreed according to specific application criteria

