

Technical Datasheet

PERFREZ[®] 9071, a black fluoroelastomer FFKM, is designed to withstand a broad range of chemicals and temperatures. On the basis of cost-performance ratio, PERFREZ[®] 9071 is an ideal choice for general-purpose use in the chemical process industry specifically. With its excellent resistance to acids, bases, amines, and other aggressive chemicals, this compound delivers good performance in a wide range of industrial applications and mixed process streams. This compound has a service temperature range from -10°C to 240°C.



Recommended Applications

- Chemical and process industry
- Valves, pumps, filters
- Pressure vessels
- Couplings and fittings
- Harsh chemical environments
- Compressors (high H₂S concentration environments)
- Painting and printing technology

Features and Benefits

- Excellent resistance to aggressive chemicals (acid, base, amines)
- Excellent performance in steam and hot water
- High sealing efficiency and outstanding sealing function

Typical Physical Properties

Color	Black	
PROPERTIES	ASTM	VALUE
Hardness, (Shore A)	D2240	75 -/+5
Tensile Strength psi, (MPa)	D1414	2283(15.74)
Elongation, %	D1414	160
Modulus at 100% psi, (MPa)	D1414	996 (6.87)
Compression Set, 70 Hrs@ 200°C	D395, Method B	17.4
Minimum Operating Temperature	-10°C	
Maximum Operating Temperature	240°C	

****EVEN THOUGH ELONGATION PROPERTY IS INDICATED, MOST PERFLUOROELASTOMER MATERIALS SHOULD NOT BE STRETCHED FOR OPTIMAL PERFORMANCE.**

Note: color variations may be observed in parts. Variations are considered to be cosmetic and inherent as a result of curing process, not indicative for foreign matter and is not expected to have an adverse effect on the performance of the part in service.