

MARKEZ® Z1321 PERFLUOROELASTOMER

Technical Datasheet

LOW TEMPERATURE BLACK PERFLUOROELASTOMER

Z1321 is the lowest temperature perfluoroelastomer compound offering a combination of excellent chemical resistance and excellent flexibility at low temperatures.

Z1321 has been specially formulated to provide increased resistance to a broad range of chemicals by controlling the molecular architecture. In addition, this perfluoroelastomer has low permeability and as a result, it is less prone to swelling, resulting in a higher service life in a wide range of applications.



TYPICAL PHYSICAL PROPERTIES

FEATURES AND BENEFITS

- Low temperature resistance
- Excellent chemical resistance to a wide range of chemicals
- Exceptional acid and amine resistance
- Excellent mechanical properties
- High sealing efficiency
- Extremely low out-gassing properties

APPLICATIONS

- Valves and pumps stored at subzero temp.
- Chemical industry
- Oil and gas equipment

Property	ASTM	Value
Material Type	FFKM	
Color		Black
Durometer, Shore A	D1415	75
Tensile Strength MPa (psi)	D412	12 (1,728)
Elongation at break (%)	D412	150
Modulus @ 100% MPa (psi)		7.2 (1,040)
Compression Set: 72 hrs @ 200° C (392° F) 672 hrs @ 200° C (392° F)	D395	20% 45%
Minimum Operating Temperature		-45°C (-49°F)
Maximum Operating Temperature		+250°C (+482°F)