

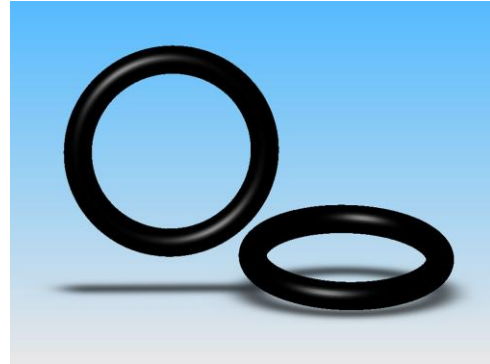


MARKEZ® Z1321 PERFLUOROELASTOMER
Technical Datasheet

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)

Date: 2016-7-1

This information is to the best of our knowledge accurate and reliable. However, Marco Rubber makes no warranty, expressed or implied, that parts manufactured from this material will perform satisfactorily in the customer's application. It's the customer's responsibility to evaluate parts prior to use.

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