



MARKEZ® Z1203 PERFLUOROELASTOMER

TECHNICAL DATASHEET

PERFLUOROELASTOMER FOR THE OIL AND GAS INDUSTRIES

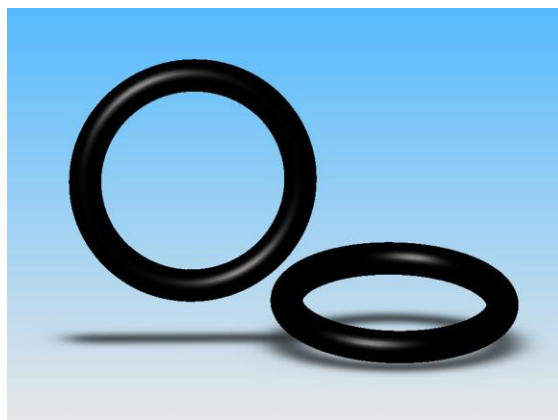
Markez Z1203 is a high strength, high durometer perfluoroelastomer material specifically developed for the CPI and HPI applications. This material is Norsok M-710 certified for Rapid Gas Decompression applications.

FEATURES AND BENEFITS

- Explosion decompression resistance
- High durometer
- High strength
- Excellent chemical compatibility
- Norsok M-710 certified

APPLICATIONS

- Acids
- Bases
- Alcohols
- Aldehydes
- Amines
- Triethylamine
- Sodium Hydroxide
- Steam/Hot water
- Aromatic/Aliphatic oils
- Ethers
- Esters
- Ketones
- MEK
- Nitric acid
- Oxidizers



TYPICAL PHYSICAL PROPERTIES

PROPERTIES	ASTM	VALUE
Color		Black
Material Type	FFKM	
Hardness (Shore A)	D2240	90
Tensile Strength MPa (PSI)	D412	21.18 (3,050)
Elongation at Break	D412	155%
Compression Set 72 hrs. @ 200°C	D395	28%
Compression Set 1,000 hrs @ 200°C	D395	40%
Minimum Operating Temperature	D1329	-4 °C (20 °F)
Maximum Operating Temperature		240 °C (464 °F)

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.

Markez® is a Registered Trade name of Marco Rubber.

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TEST PARAMETERS	TEST RESULTS
Fluid Immersion, Water Bomb, 70 hrs @ 200°C	Volume change = 4.5%
Steam Immersion, Closed Vessel, 1000 hrs @ 160°C	Volume change = 3.0%
69% Nitric Acid Immersion, 70 hrs @ 80°C	Volume change = 7.0%
Methyl Ethyl Ketone Immersion, 70 hrs @ 80°C	Volume change = 3.1%
Cyclohexyl Amine Immersion, 70 hrs @ 40°C	Volume change = 1.5%

Date: 2016-7-1

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