



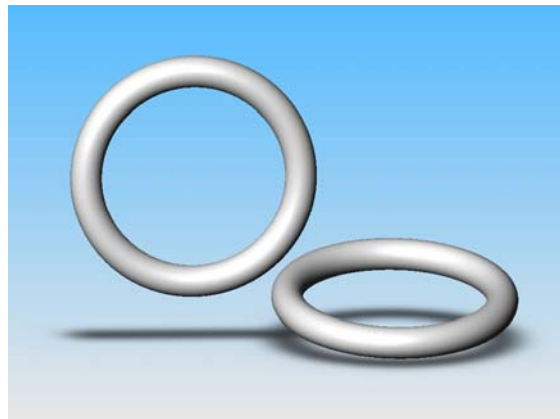
## MARKEZ® Z1216 PERFLUOROELASTOMER TECHNICAL DATASHEET

### HIGH TEMPERATURE PERFLUOROELASTOMER

Markez Z1216 offers high temperature capabilities as well as excellent chemical resistance and high plasma resistance with low particulation and outgassing in a wide range of chemical, Oil & Gas and semiconductor applications

### FEATURES AND BENEFITS

- Superior temperature capabilities
- Excellent chemical resistance
- Excellent plasma resistance
- Minimum particulation
- Low outgassing
- Excellent physical properties



### APPLICATIONS

- High temperature valves
- Down-hole applications
- Super heated steam
- Jet engines
- Deposition: LPCVD, CVD, APCVD,
- HDPCVD, PECVD, RPCVD, SACVD
- Plasma etch: oxide and metal
- Ashing, RTP, Oxidation, diffusion & lamp anneal

### TYPICAL PHYSICAL PROPERTIES

PROPERTIES	ASTM	VALUE
Color		White
Material Type	FFKM	Perfluoroelastomer
Hardness: (°IRHD)	D1415	
Hardness, Shore A	D2240	75
Tensile Strength MPa (psi)	D412	15.7 (2,277)
Modulus at 100@ Elongation, MPa (psi)		4.9 (711)
Elongation at Break	D412	246%
Compression Set 72 hrs. @ 275°C (527°F)	D395	18%
Minimum Operating Temperature		-6°C (21°F)
Maximum Operating Temperature		325°C (617°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.

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