



MARKEZ® Z1403 PERFLUOROELASTOMER

TECHNICAL DATASHEET

HIGH TEMPERATURE PERFLUOROELASTOMER

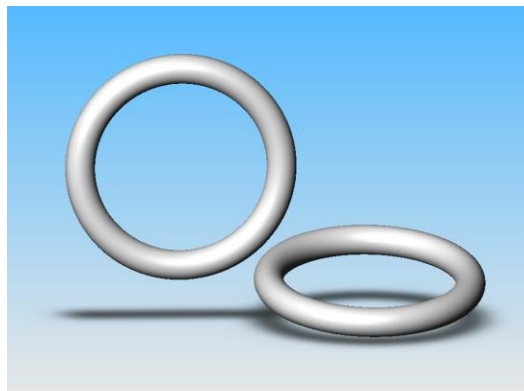
This compound offers almost universal chemical compatibility for use in high temperature semiconductor and general chemical applications.

FEATURES AND BENEFITS

- High temperature resistance
- Low etch rate
- Low out-gassing
- Wide chemical compatibility
- Excellent physical properties

APPLICATIONS

- Chemical Industry
- Pumps and Valves
- Semiconductor applications
 - LPCVD
 - Metal and SiO₂ Etch
 - CVD and PECVD
 - Dielectric
 - Ashing, Oxidation
 - EPI +SiGe
 - RCA clean, Wet etch, Strip
 - CMP, Litho and ECP



TYPICAL PHYSICAL PROPERTIES

| PROPERTIES | ASTM | VALUE |
|--|-------|----------------|
| Color | | White |
| Material Type | FFKM | |
| Hardness: Shore A | D1415 | 78 |
| Tensile Strength MPa (psi) | D412 | 21.80 (3,130) |
| Elongation at Break | D412 | 160% |
| Compression Set 72 hrs. @ 200°C (392°F) | D395 | 38% |
| Minimum Operating Temperature | | -30°C (-22°F) |
| Maximum Operating Temperature | | 315°C (+600°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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