

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

- Clean room manufactured & packaged
- 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: (°IRHD)	D1415	78
	D2240	
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)

REV 1 JULY 2026. This information is to the best of our knowledge accurate and reliable. However, Marco Sealing 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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