MARKEZ® Z1403 SUMMARY

HIGH TEMPERATURE CLEAN ROOM WHITE PERFLUOROELASTOMER

Request a Quote

MARKEZ® Z1403 offers almost universal chemical compatibility for use in high temperature semiconductor applications and general chemical applications. Available in O-rings and custom shapes. Our experienced application engineers welcome the opportunity to assist you in selecting the compound that provides the best value for your application.

ABOUT MARKEZ® #Z1403

MARKEZ® Z1403 is a top of the line material designed to perform in semiconductor applications and abrasive chemical environments.

It is commonly used in Semiconductor fields, the Chemical Industry, and Pumps & Valves

APPLICATION EXAMPLES

- Clean room manufactured & packaged
- High temperature resistance
- Low etch rate
- Low out-gassing
- Wide chemical compatibility
- Excellent physical properties

APPLICATION EXAMPLES

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

ADDITIONAL INFORMATION

- Service Temperature of -22° to 600°F
- Spec: ASTM

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PHYSICAL PROPERTIES

ORIGINAL PROPERTIES	ASTM Method	Typical Test Results
Color		White
Material Type	FFKM	
Hardness: (°IRHD)	D1415	78
Tensile Strength MPa (PSI)	D412	21.80 (3,130)
Elongation at Break	D412	1.6
Compression Set, 72 hrs. @ 200°C (392°F)	D395	0.38
Minimum Operating Temperature		-30°C (-22°F)
Maximum Operating Temperature		315°C (+600°F)