

MARKEZ® Z1419 is a non-carbon black material that offers high temperature capabilities as well as excellent chemical resistance and high plasma resistance with low production of particulates and outgassing in a wide range of chemical, Oil & Gas and semiconductor applications.

ABOUT MARKEZ® #Z1419

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

With its superior temperature capabilities and excellent chemical resistance, it is commonly used in semiconductor and abrasive chemical applications.

APPLICATION EXAMPLES

- Excellent plasma resistance
- Minimum particulation
- Low outgassing
- Excellent physical properties

Used in semiconductor, including:

- Deposition: LPCVD, CVD, APCVD, HDPCVD, PECVD, RPCVD, SACVD
- Plasma etch: oxide and metal
- RTP, Oxidation, Diffusion, Lamp Anneal

APPLICATION EXAMPLES

- Down-hole applications
- Semiconductor
 - Deposition, Plasma etch, Ashing, RTP, Sputtering, Ion Implant.
- Metalization: PVD, evaporation

ADDITIONAL INFORMATION

- Service Temperature of 5° to 572°F
- Spec: ASTM

This information is accurate and reliable to the best of our knowledge. However, Marco Rubber makes no warranty, expressed or implied, that parts manufactured from this material will perform satisfactorily in the customer's application. It is the customer's responsibility to evaluate parts prior to use.

PHYSICAL PROPERTIES

ORIGINAL PROPERTIES	ASTM Method	Typical Test Results
Properties	ASTM	Value
Color		Brown
Material Type	FFKM	Perfluoroelastomer
Hardness: (°IRHD)	D1415	
Hardness, Shore A	D2240	75
Tensile Strength MPa (psi)	D412	11.7 (1,697)
Modulus at 100@ Elongation, MPa (psi)		5.99 (868)
Elongation at Break (%)	D412	199
Compression Set, 72 hrs. @ 200°C (392°F)	D395	0.197
Minimum Operating Temperature		-15°C (5°F)
Maximum Operating Temperature		300°C (572°F)