

MARKEZ® Z1411 is soft unfilled perfluoroelastomer material developed for plasma, wet wafer processing, laser and medical applications. This compound is extremely clean since it contains no fillers.

## ABOUT MARKEZ® #Z1411

MARKEZ® Z1411 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 Medical & Laser applications.

## APPLICATION EXAMPLES

- Excellent chemical resistance
- Extremely low extractables
- Good plasma resistance
- Good high temperature resistance

Used in semiconductor, including:

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

## APPLICATION EXAMPLES

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

## ADDITIONAL INFORMATION

- Service Temperature of 5° to 536°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
Color		Clear Amber
Material Type	FFKM	Perfluoroelastomer
Hardness: (°IRHD)	D1415	
Hardness, Shore A	D2240	63
Tensile Strength MPa (PSI)	D412	7.98 (1,150)
Elongation at Break	D412	2.5
Compression Set, 72 hrs. @ 200°C (392°F)	D395	0.21
Minimum Operating Temperature		-15°C ( 5°F)
Maximum Operating Temperature		280°C ( 536°F)
Specific Gravity		1.86