



## MARKEZ® Z1411 PERFLUOROELASTOMER

### TECHNICAL DATASHEET

#### UNFILLED CLEAR PERFLUOROELASTOMER

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.

#### FEATURES AND BENEFITS

- Excellent chemical resistance
- Extremely low extractables
- Good plasma resistance
- Wide chemical resistance

#### APPLICATIONS

- Chemical industry
- Medical & laser
- Semiconductor
  - Deposition: LPCVD, CVD, APCVD
  - HDPCVD, PECVD, RPCVD, SACVD
  - Plasma etch: oxide and metal
  - Ashing
  - Metalization: PVD, evaporation
  - Sputtering, Ion Implant
  - RTP, Oxidation, Diffusion, Lamp Anneal



#### TYPICAL PHYSICAL PROPERTIES

PROPERTIES	ASTM	VALUE
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	250%
Compression Set 72 hrs. @ 200°C (392 °F)	D395	21%
Minimum Operating Temperature		-15°C ( 5°F)
Maximum Operating Temperature		280°C ( 536°F)
Specific Gravity		1.86

Date: 2016-7-1

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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