



## MARKEZ® Z1307 PERFLUOROELASTOMER TECHNICAL DATASHEET

### HIGH TEMPERATURE NANO-FILLED PERFLUOROELASTOMER

Z1307 is a semi-crystalline perfluoropolymer nano-filler material developed for plasma applications, wet wafer processing, laser and medical applications. This compound is compatible with fluorine based chemistries and suitable for wet and dry semiconductor applications.

### FEATURES AND BENEFITS

- High temperature capabilities
- Highly fluorinated cross-linking
- Extremely low extractables
- Good plasma resistance
- Wide chemical resistance

### APPLICATIONS

- Chemical industry
- Medical & laser
- Semiconductor
  - Stripping, Cleaning
  - Deposition: LPCVD, CVD, APCVD
  - HDPCVD, PECVD, RPCVD, SACVD
  - Plasma etch: oxide and metal
  - Ashing
  - Metallization: PVD, evaporation
  - Sputtering, Ion Implant



### TYPICAL PHYSICAL PROPERTIES

PROPERTIES	ASTM	VALUE
<b>Color</b>		Translucent Beige
<b>Material Type</b>	FFKM	Perfluoroelastomer
<b>Hardness: (°IRHD)</b>	D1415	70-80
<b>Hardness, Shore A</b>	D2240	75
<b>Tensile Strength MPa (PSI)</b>	D412	20.0 (2,880)
<b>Elongation at Break</b>	D412	250
<b>Compression Set 72 hrs. @ 200°C (392 °F)</b>	D395	45%
<b>Minimum Operating Temperature</b>		-15°C ( 5°F)
<b>Maximum Operating Temperature</b>		275°C ( 527°F)

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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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