

ABOUT MARKEZ Z1218

Markez Z1218 was specifically developed as an extremely clean, unfilled perfluoroelastomer (FFKM) with excellent plasma resistance, minimal particulation, and unrivaled compression set. This combination of properties allows Markez Z1218 to be an excellent match for a wide range of CVD, Etch, and metallization processes. It also has excellent chemical compatibility in a wide range of industrial applications.

FEATURES

- Excellent plasma resistance
- Wide chemical compatibility
- Excellent physical properties
- Long Service Life

APPLICATION EXAMPLES

Semiconductor applications:

- CVD, LPCVD, PCVD, HDPCVD, APECVD, PECVD, RPCVD, SACVD
- Metal and SiO₂ Etch
- PVD
- Ashing
- Oxidation
- Ion implant
- EPI +SiGe
- KF Fittings



TYPICAL PHYSICAL PROPERTIES

Properties	ASTM	Value
Color		Violet
Material Type	FFKM	
Hardness: (°IRHD)	D1415	70
	D2240	
Tensile Strength MPa (PSI)	D412	16.2 (2,243)
Elongation at Break	D412	225%
Compression Set 72 hrs. @ 200° C / 280° C / 300° C	D395	17 / 15 / 17%
Minimum Operating Temperature		-5° C (+23° F)
Maximum Operating Temperature		280° C (536° F)

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.

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READY TO SEAL THE SUCCESS OF YOUR APPLICATION?

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