



## MARKEZ® Z1703 PERFLUOROELASTOMER

### FDA AND USP CLASS VI COMPLIANT

### TECHNICAL DATASHEET

#### KEY ATTRIBUTES

Markez Z1703 was developed to provide excellent broad spectrum chemical resistance and outstanding physical properties at continuous high temperatures up to 275°C (527°F). Z1703 is formulated to be FDA and USP Class VI compliant for medical and pharmaceutical applications. This compound is extremely stable and exhibits low extractables and low outgassing making it ideal for highly sensitive applications.



#### FEATURES AND BENEFITS

- FDA compliant
- USP Class VI <87 & 88> compliant
- Excellent resistance to a wide range of chemicals
- Excellent physical properties
- Low particle generation and low outgassing

#### TYPICAL APPLICATIONS

- Medical & Pharmaceutical
- Bio-analytical
- Food Processing
- Mechanical Seals
- Valves & Pumps
- Mixers
- Reactors

#### TYPICAL PHYSICAL PROPERTIES

Property	ASTM	Value
Material Type	FFKM	
Color		Black
Durometer, Shore A	D2240	75
Tensile Strength, MPa (psi)	D1414	18.6 (2,700)
Elongation at break, %	D1414	195
Modulus @ 100%, MPa (psi)		5.6 (818)
Compression Set 70 hrs @ 204° C (400°F), %	D395	17
Minimum Operating Temperature		-7°C (+20°F)
Maximum Operating Temperature		+275°C (+527°F)

Date: 2017-7-11

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