

CoorsTek StatSafe™ ZDC-W Static Dissipative Zirconia

Category : Ceramic , Oxide , Zirconium Oxide

Material Notes:

Specialized StatSafe™ ESD-safe zirconia combines static-dissipation characteristics with the mechanical properties of advanced ceramics: tailorable volume resistivity, surface finish, high stiffness, wear and corrosion resistance, low thermal expansion, and dimensional stability. Typical applications include: end effectors, ESD sensitive component handling, data storage drive components, and data storage drive manufacturing tools.

Order this product through the following link:

http://www.lookpolymers.com/polymer_CoorsTek-StatSafe-ZDC-W-Static-Dissipative-Zirconia.php

Physical Properties	Metric	English	Comments
Density	5.91 g/cc	0.214 lb/in ³	

Mechanical Properties	Metric	English	Comments
Modulus of Elasticity	200 GPa	29000 ksi	
Flexural Strength	650 MPa	94300 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	10.0 µm/m-°C	5.56 µin/in-°F	
Thermal Conductivity	3.50 W/m-K	24.3 BTU-in/hr-ft ² -°F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+6 - 1.00e+7 ohm-cm	1.00e+6 - 1.00e+7 ohm-cm	

Descriptive Properties	Value	Comments
Color	White	

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