Stat-Tech™ ST9800-8033 CR ESD BK001

Polyetheretherketone

Key Characteristics

Product Description	
PEEK compound	
General	
Material Status	• Commercial: Active
Regional Availability	• Asia Pacific
Features	• Electrically Conductive
Forms	• Pellets
Processing Method	• Injection Molding

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.36	1.36	ASTM D792
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Strength	19300 psi	133 MPa	ASTM D638
Flexural Modulus	1.60E+6 psi	11000 MPa	ASTM D790
Flexural Strength	29000 psi	200 MPa	ASTM D790
Impact	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Notched Izod Impact	0.84 ft·lb/in	45 J/m	ASTM D256
Electrical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Surface Resistivity	1.0E+4 to 1.0E+9 ohms	1.0E+4 to 1.0E+9 ohms	ASTM D257

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	284 to 320 °F	140 to 160 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Processing (Melt) Temp	698 to 770 °F	370 to 410 °C
Mold Temperature	284 to 374 °F	140 to 190 °C

Notes

[1] Typical values are not to be construed as specifications.

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