Stat-Tech™ TP-1494502 Natural

Thermoplastic Elastomer

Key Characteristics

Product Description		
Stat-Tech™ Compound combines TPE with anti-static additives.		
General		
Material Status	• Commercial: Active	
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • North America
Features	• Antistatic	
Forms	• Pellets	
Processing Method	• Injection Molding	

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.03	1.03	ASTM D792
Molding Shrinkage - Flow	8.0E-3 to 0.014 in/in	0.80 to 1.4 %	ASTM D955
Molding Shrinkage - Across Flow	7.0E-3 to 9.0E-3 in/in	0.70 to 0.90 %	ASTM D955
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Strength (Break)	1700 psi	11.7 MPa	ASTM D638
Tensile Elongation (Break)	500 %	500 %	ASTM D638
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Durometer Hardness (Shore A)	91	91	ASTM D2240
Electrical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Surface Resistivity (0.125 in (3.18 mm))	1.0E+8 to 1.0E+12 ohms	1.0E+8 to 1.0E+12 ohms	ASTM D257
Volume Resistivity (0.125 in (3.18 mm))	1.0E+8 to 1.0E+12 ohms·cm	1.0E+8 to 1.0E+12 ohms·cm	ASTM D257

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	200 °F	93 °C
Drying Time	1.0 to 2.0 hr	1.0 to 2.0 hr
Suggested Max Moisture	0.15 to 0.20 %	0.15 to 0.20 %
Rear Temperature	330 to 350 °F	166 to 177 °C
Middle Temperature	350 to 370 °F	177 to 188 °C
Front Temperature	370 to 390 °F	188 to 199 °C
Nozzle Temperature	380 to 410 °F	193 to 210 °C
Mold Temperature	170 to 200 °F	77 to 93 °C

Notes

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