



Stat-Tech™ ST7300-8050 AS RD003

Acrylonitrile Butadiene Styrene

Key Characteristics

Product Description	
Permanently antistatic/static dissipative ABS compound	
General	
Material Status	• Commercial: Active
Regional Availability	• Asia Pacific
Appearance	• Red
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.06 g/cm ³	1.06 g/cm ³	ISO 1183
Molding Shrinkage	0.40 to 0.70 %	0.40 to 0.70 %	Internal Method
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength	4350 psi	30.0 MPa	ISO 527
Flexural Modulus	203000 psi	1400 MPa	ISO 178
Flexural Strength	5800 psi	40.0 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength	10 ft·lb/in ²	22 kJ/m ²	ISO 179
Electrical	Typical Value (English)	Typical Value (SI)	Test Method
Surface Resistivity	1.0E+8 to 9.0E+9 ohms/sq	1.0E+8 to 9.0E+9 ohms/sq	Internal Method
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.04 in (1.0 mm))	HB	HB	UL 94

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 to 194 °F	80 to 90 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Processing (Melt) Temp	392 to 446 °F	200 to 230 °C
Mold Temperature	86 to 122 °F	30 to 50 °C

Injection Notes	
Injection Pressure: MED-HIGH	
Hold Pressure: MED-HIGH	
Screw Speed: MODERATE	
Back Pressure: LOW	
Mold temperature: Recommended mold temperature is based on performance of customer part	

Notes

¹ Typical values are not to be construed as specifications.