



Stat-Tech™ ST7300-8050 AS BK001

Acrylonitrile Butadiene Styrene

Key Characteristics

Product Description

Permanently antistatic/static dissipative ABS compound

General

Material Status	• Commercial: Active
Regional Availability	• Asia Pacific
Appearance	• Black
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.07 g/cm ³	1.07 g/cm ³	ISO 1183
Molding Shrinkage - Flow	4.0E-3 to 7.0E-3 in/in	0.40 to 0.70 %	Internal Method
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	247000 psi	1700 MPa	ISO 527
Tensile Strength	4350 psi	30.0 MPa	ISO 527
Flexural Modulus	203000 psi	1400 MPa	ISO 178
Flexural Strength	6530 psi	45.0 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength	6.7 ft·lb/in ²	14 kJ/m ²	ISO 179
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed	158 °F	70.0 °C	ISO 75-2
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	149 to 185 °F	65 to 85 °C

Injection Notes

Injection Pressure: MED-HIGH
Hold Pressure: MED-HIGH
Screw Speed: MODERATE
Back Pressure: LOW

Notes

¹ Typical values are not to be construed as specifications.