



Stat-Tech™ ST7300-8033 ESD BK

Acrylonitrile Butadiene Styrene

Key Characteristics

Product Description

Electrically conductive ABS compounds

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 / Specific Gravity	1.18	1.18	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength	5800 psi	40.0 MPa	ASTM D638
Electrical	Typical Value (English)	Typical Value (SI)	Test Method
Surface Resistivity	< 1.0E+4 ohms	< 1.0E+4 ohms	ASTM D257
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating			Internal Method
0.06 in (1.5 mm)	HB	HB	
0.12 in (3.0 mm)	HB	HB	

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 to 212 °F	80 to 100 °C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Processing (Melt) Temp	392 to 464 °F	200 to 240 °C
Mold Temperature	140 to 212 °F	60 to 100 °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.