



Stat-Tech™ ST7400-5006 Natural AS

High Impact Polystyrene

Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Features	• Antistatic
RoHS Compliance	• RoHS Compliant
Appearance	• Natural Color
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	DIN 53479
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus (73°F (23°C))	229000 psi	1580 MPa	ISO 527
Tensile Strength (Break, 73°F (23°C))	3340 psi	23.0 MPa	ISO 527
Tensile Elongation (Break, 73°F (23°C))	16 %	16 %	ISO 527
Flexural Modulus	218000 psi	1500 MPa	ISO 178
Flexural Stress	5370 psi	37.0 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength 73°F (23°C), Injection Molded	3.8 ft·lb/in²	8.0 kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength 73°F (23°C), Injection Molded	20 ft·lb/in²	42 kJ/m²	ISO 179/1eU
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Heat Deflection Temperature 264 psi (1.8 MPa), Unannealed	176 °F	80.0 °C	ISO 75-2/A
Electrical	Typical Value (English)	Typical Value (SI)	Test Method
Surface Resistivity	2.0E+12 ohms	2.0E+12 ohms	IEC 60093

Notes

¹ Typical values are not to be construed as specifications.