

# Stat-Tech™ PA66 C10 black (EM10001793BI)

Polyamide 66

PolyOne Corporation

## Message:

Stat-Tech™ Electrically Conductive Compounds are specifically engineered to provide anti-static, ESD and RFI/EMI shielding performance for critical electronic equipment applications. These compounds combine the performance of select engineering resins with reinforcing additives such as carbon powder, carbon fiber, nickel-coated carbon fiber and stainless steel fiber, for low to high levels of conductivity depending upon application requirements.

General Information			
Features	Semicrystallization		
	Rigidity, high		
	Good chemical resistance		
Uses	Computer components		
	Electrical/Electronic Applications		
	Aerospace applications		
	Connector		
	Business equipment		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm <sup>3</sup>	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8800	MPa	ISO 527-2
Tensile Stress	150	MPa	ISO 527-2
Flexural Stress	175	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.5	kJ/m <sup>2</sup>	ISO 179
Charpy Unnotched Impact Strength	34	kJ/m <sup>2</sup>	ISO 179
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 - 1.0E+4	ohms	IEC 60093

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