

# Stat-Tech™ X5 ST6000-5006 FR BLACK

Polyamide 6  
PolyOne Corporation

Message:

Stat-Tech™ X5 ST6000-5006 FR BLACK is a Polyamide 6 (Nylon 6) product. It can be processed by injection molding and is available in Europe.  
Characteristics include:  
Flame Rated  
RoHS Compliant

General Information			
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm <sup>3</sup>	DIN 53479
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	11100	MPa	ISO 527
Tensile Strength (Break, 23°C)	110	MPa	ISO 527
Tensile Elongation (Break, 23°C)	2.0	%	ISO 527
Flexural Modulus	7800	MPa	ISO 178
Flexural Stress	140	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C, Injection Molded)	3.1	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C, Injection Molded)	20	kJ/m <sup>2</sup>	ISO 179/1eU
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+10 to 1.0E+11	ohms	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 90.0	°C	
Drying Time	2.0 to 4.0	hr	
Mold Temperature	65.0 to 95.0	°C	

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Recommended distributors for this material

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