

Stat-Tech™ ST6000-5006 FR BLACK X3

Polyamide 6
PolyOne Corporation

Message:

Stat-Tech™ST6000-5006 FR BLACK X3 is a polyamide 6 (nylon 6) product. It can be processed by injection molding and is available in Europe. The main characteristics are: flame retardant/rated flame.

General Information			
RoHS Compliance	Contact manufacturer		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	9000	MPa	ISO 527
Tensile Strength (Break, 23°C)	105	MPa	ISO 527
Tensile Elongation (Break, 23°C)	1.5 - 2.0	%	ISO 527
Flexural Modulus	7000	MPa	ISO 178
Flexural Stress	150	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C, Injection Molded)	2.4	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C, Injection Molded)	20	kJ/m²	ISO 179/1eU
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+9 - 1.0E+10	ohms	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (16.0 mm)	V-1		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	250 - 280	°C	
Mold Temperature	65 - 95	°C	

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Recommended distributors for this material

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