

Stat-Tech™ X3 ST6000-5006 FR BLACK

Polyamide 6
PolyOne Corporation

Message:

Stat-Tech™ X3 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 ³	DIN 53479
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	11100	MPa	ISO 527
Tensile Strength (Break, 23°C)	135	MPa	ISO 527
Tensile Elongation (Break, 23°C)	2.0	%	ISO 527
Flexural Modulus	7600	MPa	ISO 178
Flexural Stress	175	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C, Injection Molded)	3.1	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C, Injection Molded)	22	kJ/m ²	ISO 179/1eU
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+9 to 1.0E+10	ohms	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-1		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

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

