

Sup-tech B9000EX

Polyamide 6

Shanghai Suptech Engineering Plastics Co. Ltd.

Message:

Sup-tech B9000EX is a Polyamide 6 (Nylon 6) product. It can be processed by extrusion or injection molding and is available in Asia Pacific. Primary characteristic: flame rated.

General Information			
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm ³	DIN 53479
Melt Mass-Flow Rate (MFR)	1.0 to 4.0	g/10 min	DIN 53735
Molding Shrinkage	0.010 to 0.013	%	DIN 53464
Water Absorption			DIN 53495
23°C, 24 hr	1.1	%	
Saturation, 23°C	6.5	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	60.0	MPa	DIN 53455
Tensile Strain (Break)	5.0	%	DIN 53452
Flexural Modulus	2000	MPa	DIN 53457
Flexural Stress	90.0	MPa	DIN 53457
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	8.0	kJ/m ²	DIN 53453
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			DIN 53461
0.45 MPa, Unannealed	160	°C	
1.8 MPa, Unannealed	60.0	°C	
Melting Temperature	220	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	IEC 60093
Electric Strength	20	kV/mm	DIN 53481
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	4.0 to 6.0	hr	

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