

Sup-tech B101EX

Polyamide 6

Shanghai Suptech Engineering Plastics Co. Ltd.

Message:

Sup-tech B101EX 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	1.13	g/cm ³	DIN 53479
Melt Mass-Flow Rate (MFR)	1.0 to 2.0	g/10 min	DIN 53735
Molding Shrinkage	0.010 to 0.014	%	DIN 53464
Water Absorption			DIN 53495
23°C, 24 hr	1.8	%	
Saturation, 23°C	8.5	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	118		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	70.0	MPa	DIN 53455
Tensile Strain (Break)	70	%	DIN 53452
Flexural Modulus	1980	MPa	DIN 53457
Flexural Stress	105	MPa	DIN 53457
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	10	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	62.0	°C	
Melting Temperature	220	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Electric Strength	20	kV/mm	DIN 53481
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	Test Method
Drying Temperature	90.0	°C	
Drying Time	4.0 to 6.0	hr	

Processing (Melt) Temp

230 to 265

°C

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

