

Sup-tech P9000EX

Polypropylene

Shanghai Suptech Engineering Plastics Co. Ltd.

Message:

Sup-tech P9000EX is a Polypropylene 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	1.00	g/cm ³	DIN 53479
Melt Mass-Flow Rate (MFR)	1.0 to 4.0	g/10 min	DIN 53735
Molding Shrinkage	0.016	%	DIN 53464
Water Absorption (23°C, 24 hr)	0.030	%	DIN 53495
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	75		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	28.0	MPa	DIN 53455
Tensile Strain (Break)	15	%	DIN 53452
Flexural Modulus	2100	MPa	DIN 53457
Flexural Stress	35.0	MPa	DIN 53457
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.5	kJ/m ²	DIN 53453
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			DIN 53461
0.45 MPa, Unannealed	110	°C	
1.8 MPa, Unannealed	85.0	°C	
Melting Temperature	165	°C	
Flammability	Nominal Value		Test Method
Flame Rating	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0 to 6.0	hr	
Processing (Melt) Temp	180 to 230	°C	

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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

