

Sup-tech S9000

Acrylonitrile Butadiene Styrene

Shanghai Suptech Engineering Plastics Co. Ltd.

Message:

Sup-tech S9000 is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in Asia Pacific.

Characteristics include:

Flame Rated

Flame Retardant

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm ³	DIN 53479
Melt Mass-Flow Rate (MFR)	13 to 18	g/10 min	DIN 53735
Molding Shrinkage	5.0E-3	%	DIN 53464
Water Absorption (23°C, 24 hr)	0.20 to 0.40	%	DIN 53495
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	50.0	MPa	DIN 53455
Tensile Strain (Break)	2.0	%	DIN 53452
Flexural Modulus	2800	MPa	DIN 53457
Flexural Stress	80.0	MPa	DIN 53457
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	6.0	kJ/m ²	DIN 53453
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			DIN 53461
0.45 MPa, Unannealed	87.0	°C	
1.8 MPa, Unannealed	75.0	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Electric Strength	18	kV/mm	DIN 53481
Flammability	Nominal Value	Unit	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	190 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

