

Sup-tech S706

Acrylonitrile Butadiene Styrene
Shanghai Suptech Engineering Plastics Co. Ltd.

Message:

Sup-tech S706 is an Acrylonitrile Butadiene Styrene (ABS) product filled with 30% glass fiber. It can be processed by injection molding and is available in Asia Pacific.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.28	g/cm³	DIN 53479
Melt Mass-Flow Rate (MFR)	3.0 to 5.0	g/10 min	DIN 53735
Molding Shrinkage	1.0E-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)	85.0	MPa	DIN 53455
Flexural Modulus	6800	MPa	DIN 53457
Flexural Stress	110	MPa	DIN 53457
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	6.8	kJ/m²	DIN 53453
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			DIN 53461
0.45 MPa, Unannealed	105	°C	
1.8 MPa, Unannealed	100	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Electric Strength	18	kV/mm	DIN 53481
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0 to 6.0	hr	
Processing (Melt) Temp	190 to 250	°C	

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