

Sup-tech C9706

Polycarbonate

Shanghai Suptech Engineering Plastics Co. Ltd.

Message:

Sup-tech C9706 is a Polycarbonate (PC) product filled with 30% glass fiber. It can be processed by injection molding and is available in Asia Pacific. Characteristics include:
Flame Rated
Flame Retardant

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm ³	DIN 53479
Molding Shrinkage	4.0E-3 to 8.0E-3	%	DIN 53464
Water Absorption			DIN 53495
23°C, 24 hr	0.15	%	
Saturation, 23°C	0.30	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	130	MPa	DIN 53455
Tensile Strain (Break)	2.0	%	DIN 53452
Flexural Modulus	7800	MPa	DIN 53457
Flexural Stress	155	MPa	DIN 53457
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	11	kJ/m ²	DIN 53453
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			DIN 53461
0.45 MPa, Unannealed	165	°C	
1.8 MPa, Unannealed	150	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	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	100	°C	
Drying Time	7.0 to 18	hr	

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

