Sup-tech C9000

Polycarbonate

Shanghai Suptech Engineering Plastics Co. Ltd.

Message:

Sup-tech C9000 is a Polycarbonate (PC) 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	1.31	g/cm³	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)	115		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Break)	60.0	MPa	DIN 53455
Tensile Strain (Break)	30	%	DIN 53452
Flexural Modulus	2300	MPa	DIN 53457
Flexural Stress	80.0	MPa	DIN 53457
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength	40	kJ/m²	DIN 53453
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			DIN 53461
0.45 MPa, Unannealed	130	°C	
1.8 MPa, Unannealed	90.0	°C	
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+14	ohms	IEC 60093
Electric Strength	15	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	
Processing (Melt) Temp	230 to 260	°C	

Recommended distributors for this material

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