

Sindustris PC SC5005T

Polycarbonate + Polyester

Sincerity Australia Pty Ltd.

Message:

Sindustris PC SC5005T is a Polycarbonate + Polyester (PC+Polyester) material. It is available in Asia Pacific for injection molding.

Important attributes of Sindustris PC SC5005T are:

Clarity

High Flow

Typical application of Sindustris PC SC5005T: Electrical/Electronic Applications

General Information			
Features	General Purpose		
	High Clarity		
	High Flow		
Uses	Cell Phones		
UL File Number	E306922		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	30	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.50 to 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	118		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	60.8	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	> 150	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	2260	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	97.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	690	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	123	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	95.0 to 105	°C	
Drying Time	4.0 to 6.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	260 to 270	°C	
Middle Temperature	265 to 280	°C	
Front Temperature	265 to 280	°C	
Nozzle Temperature	265 to 295	°C	

Processing (Melt) Temp	265 to 290	°C
Mold Temperature	40.0 to 70.0	°C
Back Pressure	0.981 to 3.92	MPa
Screw Speed	40 to 70	rpm

NOTE		
1.	5.0 mm/min	
2.	50 mm/min	
3.	1.3 mm/min	
4.	1.3 mm/min	

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Recommended distributors for this material

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