

KumhoSunny PC 2203HI

Polycarbonate

Shanghai KumhoSunny Plastics Co., Ltd.

Message:

PC2203HI is high impact and super high flou PC resin. It has high tenacity in low temperature. PC2203HI is mainly used in mobile phone housing, etc.

General Information			
UL YellowCard	E254819-101572872		
Features	High Flow		
	High Impact Resistance		
Uses	Cell Phones		
	Housings		
UL File Number	E254819		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	15	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	65.0	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	2200	MPa	ASTM D790
Flexural Strength	78.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	800	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	125	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	IEC 60093
Volume Resistivity	> 1.0E+15	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	100 to 120	°C	
Drying Time	3.0 to 4.0	hr	
Suggested Max Moisture	0.020	%	

Rear Temperature	250 to 270	°C
Middle Temperature	260 to 280	°C
Front Temperature	280 to 300	°C
Nozzle Temperature	280 to 290	°C
Processing (Melt) Temp	265 to 310	°C
Mold Temperature	60.0 to 100	°C
Back Pressure	0.300 to 1.00	MPa
Screw Speed	20 to 100	rpm

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