

KumhoSunny PC 2501FR

Polycarbonate

Shanghai KumhoSunny Plastics Co., Ltd.

Message:

PC2501FR is high heat resistance and 1.6mm V-0 flame retardant PC resin. It has high heat resistance and excellent UV stability. PC2501FR is mainly used in monitor housings,LCD, household electric product, etc.

General Information			
UL YellowCard	E254819-497298		
Features	Flame Retardant		
	Good UV Resistance		
	High Heat Resistance		
Uses	Electrical/Electronic Applications		
	Household Goods		
	Housings		
	LCD Applications		
UL File Number	E254819		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	63.0	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	2200	MPa	ASTM D790
Flexural Strength	90.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	600	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	135	°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)	V-0		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	260 to 270	°C
Middle Temperature	270 to 280	°C
Front Temperature	280 to 290	°C
Nozzle Temperature	280 to 290	°C
Processing (Melt) Temp	240 to 280	°C
Mold Temperature	60.0 to 100	°C
Back Pressure	0.200 to 0.800	MPa
Screw Speed	20 to 80	rpm

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