

KumhoSunny PC 2503NH

Polycarbonate

Shanghai KumhoSunny Plastics Co., Ltd.

Message:

PC2503NH is high flow and 1.6mm V-0 flame retardant non-halogenand PC resin. It has excellent UV stability. PC2503NH is mainly used in thin-walled products such as laptop battery packs, etc.

General Information			
UL YellowCard	E254819-101004432		
Features	Flame Retardant		
	Good UV Resistance		
	Halogen Free		
	High Flow		
Uses	Battery Cases		
	Thin-walled Parts		
UL File Number	E254819		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	27	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	65.0	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	2300	MPa	ASTM D790
Flexural Strength	87.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	650	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	98.0	°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)	5VB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°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	260 to 300	°C
Mold Temperature	60.0 to 100	°C
Back Pressure	0.200 to 0.800	MPa
Screw Speed	20 to 80	rpm

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

