

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

