

Shuman PC SP930

Polycarbonate
Shuman Plastics, Inc.

Message:

POLYCARBONATE SP930 WHITE AND CUSTOM COLORS
OFFERS THIS COMBINATION OF PROPERTIES:
GOOD IMPACT STRENGTH, EASY PROCESSABILITY, GOOD SURFACE GLOSS, GOOD HEAT RESISTANCE, EXCELLENT WEATHERABILITY, EXCELLENT COLOR STABILITY, SELF EXTINGUISHING, UL

| General Information | | | |
|---|-------------------------|-------------------|-------------|
| UL YellowCard | E80143-250600 | | |
| Features | Gloss, Medium | | |
| | Impact resistance, good | | |
| | Workability, good | | |
| | Good color stability | | |
| | Good weather resistance | | |
| | Heat resistance, medium | | |
| | Self-extinguishing | | |
| Appearance | White | | |
| | Available colors | | |
| Forms | Particle | | |
| Processing Method | Extrusion | | |
| | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.20 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) | 15 - 25 | g/10 min | ASTM D1238 |
| Outdoor Suitability | f1 | | UL 746C |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (M-Scale) | 70 | | ASTM D785 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | 65.5 | MPa | ASTM D638 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (3.18 mm) | 640 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 128 | °C | ASTM D648 |
| Vicat Softening Temperature | 154 | °C | ASTM D1525 |
| Flammability | Nominal Value | | Test Method |

| Flame Rating (1.57 mm) | V-2 | UL 94 |
|---|---------------|-------|
| Injection | Nominal Value | Unit |
| Drying Temperature | 121 - 127 | °C |
| Drying Time | 2.0 - 24 | hr |
| Processing (Melt) Temp | 266 - 288 | °C |
| Injection instructions | | |
| Tray Dryer Drying Temperature, No Standard, 1.5 in: 250 to 260°FTray Dryer Drying Time, No Standard, 1.5 in: 4 to 24hrs | | |
| Extrusion | Nominal Value | Unit |
| Drying Temperature | 121 - 127 | °C |
| Drying Time | 2.0 - 24 | hr |
| Melt Temperature | 266 - 288 | °C |
| Extrusion instructions | | |
| Tray Dryer Drying Temperature, No Standard, 1.5 in: 250 to 260°FTray Dryer Drying Time, No Standard, 1.5 in: 4 to 24hrs | | |

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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



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