

TRIREX® Compound ST6-3025U

Samyang Corporation - Polycarbonate

General Information

Product Description

Si-PC (Siloxane PC) is a polycarbonate-polysiloxane copolymer, having excellent low temperature ductility, impact toughness and chemical resistance.

General

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|-----------------|---|
| Material Status | • Commercial: Active |
| Availability | • Asia Pacific • Europe • North America |
| Uses | • General Purpose |

 Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|------------------|----------|-------------|
| Density / Specific Gravity | 1.18 | | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (300°C/1.2 kg) | 8.0 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow (0.118 in) | 4.0E-3 to 8.0E-3 | in/in | ASTM D955 |
| Water Absorption (24 hr, 73°F) | 0.15 | % | ASTM D570 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 7820 | psi | ASTM D638 |
| Tensile Elongation (Yield) | 100 | % | ASTM D638 |
| Flexural Modulus | 284000 | psi | ASTM D790 |
| Flexural Strength (Yield) | 12100 | psi | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (73°F) | 15 | ft·lb/in | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (264 psi, Unannealed) | 253 | °F | ASTM D648 |

