

Ecologue™ PC-6600 M60 A01
CHI MEI CORPORATION - *Polycarbonate*

General Information

Product Description

Ecologue PCR FR-PC PC-6600 M60 A01

Product Description: 1.5mm V-0, PCR content 60%

General

| | | | |
|---------------------|----------------------------|-----------------|-----------------|
| Material Status | • Commercial: Active | | |
| Availability | • Africa & Middle East | • Europe | • North America |
| | • Asia Pacific | • Latin America | |
| Recycled Content | • Post-Consumer (PCR), 60% | | |
| Resin ID (ISO 1043) | • >PC(REC60)< | | |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|----------------------|------------------------|--------------------|
| Density (73°F) | 1.20 | g/cm ³ | ISO 1183 |
| Melt Volume-Flow Rate (MVR) (300°C/1.2 kg) | 10 | cm ³ /10min | ISO 1133 |
| Molding Shrinkage | 0.40 to 0.60 | % | ISO 294-4 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress (Yield) | 8700 | psi | ISO 527-2/50 |
| Tensile Stress (Break) | 8700 | psi | ISO 527-2/50 |
| Tensile Strain (Break) | 120 | % | ISO 527-2/50 |
| Flexural Modulus ² | 305000 | psi | ISO 178 |
| Flexural Stress ² | 12300 | psi | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength (73°F) | 29 | ft·lb/in ² | ISO 179 |
| Notched Izod Impact Strength (73°F) | 29 | ft·lb/in ² | ISO 180/1A |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (264 psi, Unannealed) | 248 | °F | ISO 75-2/A |
| Vicat Softening Temperature | 302 | °F | ISO 306/A50 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating | | | UL 94 |
| 0.06 in | | V-0 | |
| 0.08 in | | 5VB | |
| 0.12 in | | 5VA | |

Notes

¹ Typical properties: these are not to be construed as specifications.

² 0.079 in/min

