

ColorFast® PC070UR

Americhem - Polycarbonate

General Information
Product Description

PC070UR is a high viscosity injection molding grade of PC with mold release. It is UV stabilized and has good processability and optical clarity.

General

| | | | |
|-------------------|---------------------------|---------------------------|-------------------------------|
| Material Status | • Commercial: Active | | |
| Availability | • Africa & Middle East | • Europe | • North America |
| | • Asia Pacific | • Latin America | |
| Additive | • Mold Release | • UV Stabilizer | |
| Features | • Excellent Colorability | • Lubricated | |
| | • Good Mold Release | • UV Stabilized | |
| Uses | • Automotive Applications | • Household Goods | • Office Automation Equipment |
| | • Closures | • Housings | • Outdoor Applications |
| | • Consumer Applications | • Industrial Applications | |
| | • Engineering Parts | • Industrial Parts | |
| Forms | • Pellets | | |
| Processing Method | • Injection Molding | | |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|------------------|----------|-------------|
| Density / Specific Gravity | 1.20 | | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (300°C/1.2 kg) | 7.0 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow (0.125 in) | 5.0E-3 to 7.0E-3 | in/in | ASTM D955 |
| Water Absorption (24 hr) | 0.15 | % | ASTM D570 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ² (Yield) | 8900 | psi | ASTM D638 |
| Tensile Elongation ² (Yield) | 7.0 | % | ASTM D638 |
| Tensile Elongation ² (Break) | 110 | % | ASTM D638 |
| Flexural Modulus ² | 3.39E+6 | psi | ASTM D790 |
| Flexural Strength ² | 13500 | psi | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (73°F) | 17 | ft-lb/in | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (264 psi, Unannealed, 0.250 in) | 270 | °F | ASTM D648 |

Notes

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

² 2.0 in/min

