

# Lucent PC PC/PBT-1420IM

Polycarbonate + PBT

Lucent Polymers, Inc.

## Message:

Polycarbonate + PBT, Injection Grade, Superior Cold Temperature Impact

Colors Available

Add "R" for Added Release

Add "U" for UV Stabilized

| General Information                                     |                                   |                   |             |
|---------------------------------------------------------|-----------------------------------|-------------------|-------------|
| Features                                                | Low Temperature Impact Resistance |                   |             |
| Appearance                                              | Colors Available                  |                   |             |
| Processing Method                                       | Injection Molding                 |                   |             |
| Physical                                                | Nominal Value                     | Unit              | Test Method |
| Specific Gravity                                        | 1.17                              | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)                | 20                                | g/10 min          | ASTM D1238  |
| Molding Shrinkage - Flow (3.18 mm)                      | 1.1                               | %                 |             |
| Mechanical                                              | Nominal Value                     | Unit              | Test Method |
| Tensile Strength (Yield)                                | 49.0                              | MPa               | ASTM D638   |
| Tensile Elongation (Break)                              | > 170                             | %                 | ASTM D638   |
| Flexural Modulus                                        | 1710                              | MPa               | ASTM D790   |
| Flexural Strength                                       | 68.9                              | MPa               | ASTM D790   |
| Impact                                                  | Nominal Value                     | Unit              | Test Method |
| Notched Izod Impact                                     |                                   |                   | ASTM D256   |
| -30°C, 3.18 mm                                          | 530                               | J/m               |             |
| 23°C, 3.18 mm                                           | 750                               | J/m               |             |
| Thermal                                                 | Nominal Value                     | Unit              | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 97.8                              | °C                | ASTM D648   |

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## Recommended distributors for this material

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