

Technical Data Sheet

Network Polymers Pc 1011

Polycarbonate
LyondellBasell Industries
Engineering Plastics

| General | | | |
|--|-------------------------|------------------------|-------------|
| Appearance | • Natural Color | | |
| Forms | • Pellets | | |
| Physical | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Density / Specific Gravity | 1.20 | 1.20 g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (300°C/1.2 Kg) | 10 g/10 min | 10 g/10 min | ASTM D1238 |
| Water Absorption (24 Hr) | 0.15 % | 0.15 % | ASTM D570 |
| Mechanical | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Tensile Strength ¹ (Yield) | 10300 psi | 71.0 MPa | ASTM D638 |
| Flexural Modulus ² | 350000 psi | 2410 MPa | ASTM D790 |
| Flexural Strength ² | 14000 psi | 96.5 MPa | ASTM D790 |
| Impact | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Notched Izod Impact (0.125 In (3.18 Mm)) | 17 ft·lb/in | 910 J/m | ASTM D256A |
| Hardness | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Rockwell Hardness (R-scale) | 120 | 120 | ASTM D785 |
| Thermal | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Deflection Temperature Under Load 264 Psi (1.8 Mpa), Unannealed, 0.125 In (3.18 Mm) | 260 °F | 127 °C | ASTM D648 |
| Flammability | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Flame Rating (0.06 In (1.6 Mm), Nc) | HB | HB | UL 94 |

Notes

¹ 2.0 in/min (51 mm/min)

² 0.050 in/min (1.3 mm/min)

Notes

These are typical property values not to be construed as specification limits.