

Technical Data Sheet

Acculoy PCS003L

Polycarbonate + ASA
 LyondellBasell Industries
 Engineering Plastics

General

Forms • Pellets

| Physical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---|-------------------------|------------------------|-------------|
| Density / Specific Gravity | 1.16 | 1.16 g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (250°C/2.16 Kg) | 6.0 g/10 min | 6.0 g/10 min | ASTM D1238 |
| Mechanical | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Tensile Modulus | 290000 psi | 2000 MPa | ASTM D638 |
| Tensile Strength | | | ASTM D638 |
| Yield | 8990 psi | 62.0 MPa | |
| Break | 7540 psi | 52.0 MPa | |
| Tensile Elongation | | | ASTM D638 |
| Yield | 6.0 % | 6.0 % | |
| Break | 100 % | 100 % | |
| Flexural Modulus | 363000 psi | 2500 MPa | ASTM D790 |
| Flexural Strength | 13600 psi | 94.0 MPa | ASTM D790 |
| Impact | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Notched Izod Impact (0.125 In (3.18 Mm)) | 10 ft·lb/in | 550 J/m | ASTM D256 |
| 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 | | | ASTM D648 |
| 66 Psi (0.45 Mpa), Unannealed | 261 °F | 127 °C | |
| 264 Psi (1.8 Mpa), Unannealed | 223 °F | 106 °C | |

Notes

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