

Technical Data Sheet

Accucomp POL051L

Polycarbonate
LyondellBasell Industries
Engineering Plastics

General

- | | |
|----------|--------------------|
| Features | • Medium Viscosity |
| 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) | 15 g/10 min | 15 g/10 min | ASTM D1238 |

Mechanical

| | Nominal Value (English) | Nominal Value (SI) | Test Method |
|--------------------|-------------------------|--------------------|-------------|
| Tensile Modulus | 261000 psi | 1800 MPa | ASTM D638 |
| Tensile Strength | | | ASTM D638 |
| Yield | 10200 psi | 70.0 MPa | |
| Break | 10200 psi | 70.0 MPa | |
| Tensile Elongation | | | ASTM D638 |
| Yield | 110 % | 110 % | |
| Break | 150 % | 150 % | |
| Flexural Modulus | 392000 psi | 2700 MPa | ASTM D790 |
| Flexural Strength | 14200 psi | 98.0 MPa | ASTM D790 |

Impact

| | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---------------------|-------------------------|--------------------|-------------|
| Notched Izod Impact | 17 ft·lb/in | 900 J/m | ASTM D256 |

Hardness

| | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-----------------------------|-------------------------|--------------------|-------------|
| Rockwell Hardness (R-scale) | 121 | 121 | ASTM D785 |

Thermal

| | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-----------------------------------|-------------------------|--------------------|-------------|
| Deflection Temperature Under Load | | | ASTM D648 |
| 66 Psi (0.45 Mpa), Unannealed | 284 °F | 140 °C | |
| 264 Psi (1.8 Mpa), Unannealed | 252 °F | 122 °C | |

Notes

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