

Technical Data Sheet

Lucent Pom POM-100

Acetal (POM) Copolymer
 LyondellBasell Industries
 Engineering Plastics

Product Description

Acetal Copolymer, General Purpose Injection Grade

Colors Available
 Add "U" for UV Stabilized

General

| | | |
|-------------------|---------------------|-------------------|
| Features | • Copolymer | • General Purpose |
| Uses | • General Purpose | |
| Appearance | • Colors Available | |
| Processing Method | • Injection Molding | |

| Physical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|--|-------------------------|------------------------|-------------|
| Density / Specific Gravity | 1.41 | 1.41 g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 Kg) | 9.0 g/10 min | 9.0 g/10 min | ASTM D1238 |
| Mechanical | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Tensile Strength (Yield) | 8800 psi | 60.7 MPa | ASTM D638 |
| Tensile Elongation (Break) | > 30 % | > 30 % | ASTM D638 |
| Flexural Modulus | 350000 psi | 2410 MPa | ASTM D790 |
| Flexural Strength | 13000 psi | 89.6 MPa | ASTM D790 |
| Impact | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Notched Izod Impact 73°F (23°C), 0.125 In (3.18 Mm) | 1.3 ft·lb/in | 69 J/m | ASTM D256 |
| Thermal | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Deflection Temperature Under Load 264 Psi (1.8 Mpa), Unannealed | 270 °F | 132 °C | ASTM D648 |
| Peak Melting Temperature | 320 to 330 °F | 160 to 166 °C | ASTM D789 |

Notes

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