

Technical Data Sheet



Lucent Pom POM-500

Acetal (POM) Homopolymer
LyondellBasell Industries
Engineering Plastics

Product Description

Acetal Homopolymer, General Purpose Injection Grade

Colors Available
Add "U" for UV Stabilized

General

Material Status	• Commercial: Active
Availability	• North America
Features	• General Purpose • Homopolymer
Uses	• General Purpose
Appearance	• Colors Available
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.42	1.42 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	12 g/10 min	12 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	10000 psi	68.9 MPa	ASTM D638
Tensile Elongation (Break)	> 20 %	> 20 %	ASTM D638
Flexural Modulus	410000 psi	2830 MPa	ASTM D790
Flexural Strength	14500 psi	100 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	275 °F	135 °C	ASTM D648
Peak Melting Temperature	338 to 347 °F	170 to 175 °C	ASTM D789

Notes

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

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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