

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

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			ASTM D256
73°F (23°C), 0.125 In (3.18 Mm)	1.3 ft·lb/in	69 J/m	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
264 Psi (1.8 Mpa), Unannealed	275 °F	135 °C	
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.