

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.

