

Technical Data Sheet

Accucomp POL050L

Polycarbonate
LyondellBasell Industries
Engineering Plastics

General			
Features	• Low 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)	20 g/10 min	20 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	9280 psi	64.0 MPa	
Break	8990 psi	62.0 MPa	
Tensile Elongation			ASTM D638
Yield	45 %	45 %	
Break	130 %	130 %	
Flexural Modulus	406000 psi	2800 MPa	ASTM D790
Flexural Strength	14500 psi	100 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	15 ft·lb/in	820 J/m	ASTM D256
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	123	123	ASTM D785
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	277 °F	136 °C	
264 Psi (1.8 Mpa), Unannealed	248 °F	120 °C	

Notes

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