

Accutech POL051G10L

Polycarbonate
LyondellBasell Industries
Engineering Plastics

General			
Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight		
Forms	• Pellets		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.26	1.26 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 Kg)	11 g/10 min	11 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	392000 psi	2700 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	10900 psi	75.0 MPa	
Break	9430 psi	65.0 MPa	
Tensile Elongation			ASTM D638
Yield	5.0 %	5.0 %	
Break	10 %	10 %	
Flexural Modulus	522000 psi	3600 MPa	ASTM D790
Flexural Strength	17400 psi	120 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	1.6 ft·lb/in	85 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	291 °F	144 °C	
264 Psi (1.8 Mpa), Unannealed	273 °F	134 °C	

Additional Information			
Ash Content, ASTM D2584: 10%			

Notes

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

