

Technical Data Sheet

Accutech POL050G20L

Polycarbonate
LyondellBasell Industries
Engineering Plastics

General			
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight		
Forms	• Pellets		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.33	1.33 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	566000 psi	3900 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	14500 psi	100 MPa	
Break	13900 psi	96.0 MPa	
Tensile Elongation			ASTM D638
Yield	5.0 %	5.0 %	
Break	8.0 %	8.0 %	
Flexural Modulus	856000 psi	5900 MPa	ASTM D790
Flexural Strength	23800 psi	164 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	2.1 ft·lb/in	110 J/m	ASTM D256
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	120	120	ASTM D785
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	289 °F	143 °C	
264 Psi (1.8 Mpa), Unannealed	282 °F	139 °C	

Additional Information			
Ash Content, ASTM D2584:	20%		

Notes

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