

Accuguard POL050G10HIV0L

Polycarbonate
LyondellBasell Industries
Engineering Plastics

General		
Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight	
Features	• Flame Retardant	• High Impact Resistance
UL File Number	• E99379	
Forms	• Pellets	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.28	1.28 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 Kg)	8.0 g/10 min	8.0 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	421000 psi	2900 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	11000 psi	76.0 MPa	
Break	10200 psi	70.0 MPa	
Tensile Elongation			ASTM D638
Yield	5.0 %	5.0 %	
Break	10 %	10 %	
Flexural Modulus	537000 psi	3700 MPa	ASTM D790
Flexural Strength	17700 psi	122 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	3.5 ft·lb/in	190 J/m	ASTM D256

Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	122	122	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	271 °F	133 °C	

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.13 In (3.2 Mm))	V-0	V-0	UL 94

Additional Information

Ash Content, ASTM D2584: 10%

Notes

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

