

Accutech HD0234G10UVL

High Density Polyethylene

LyondellBasell Industries

Engineering Plastics

General			
Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight		
Additive	• UV Stabilizer		
Features	• High Density	• UV Resistant	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.00	1.00 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 Kg)	5.0 g/10 min	5.0 g/10 min	ASTM D1238
Ash Content	10 %	10 %	ASTM D2584
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	297000 psi	2050 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	4350 psi	30.0 MPa	
Break	1600 psi	11.0 MPa	
Tensile Elongation			ASTM D638
Yield	3.0 %	3.0 %	
Break	170 %	170 %	
Flexural Modulus	247000 psi	1700 MPa	ASTM D790
Flexural Strength	4210 psi	29.0 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	0.97 ft·lb/in	52 J/m	ASTM D256
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	50	50	ASTM D785
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	246 °F	119 °C	
264 Psi (1.8 Mpa), Unannealed	167 °F	75.0 °C	

Notes

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

