

Accutech HD0234G20UVL

High Density Polyethylene

LyondellBasell Industries

Engineering Plastics

General			
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight		
Additive	• UV Stabilizer		
Features	• UV Resistant		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.07	1.07 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 Kg)	4.0 g/10 min	4.0 g/10 min	ASTM D1238
Ash Content	20 %	20 %	ASTM D2584
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	435000 psi	3000 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	5080 psi	35.0 MPa	
Break	2180 psi	15.0 MPa	
Tensile Elongation			ASTM D638
Yield	3.0 %	3.0 %	
Break	10 %	10 %	
Flexural Modulus	319000 psi	2200 MPa	ASTM D790
Flexural Strength	5660 psi	39.0 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	261 °F	127 °C	
264 Psi (1.8 Mpa), Unannealed	217 °F	103 °C	

Notes

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

