

Accutech HD0234G40UVL

High Density Polyethylene

LyondellBasell Industries

Engineering Plastics

General			
Filler / Reinforcement	• Glass Fiber, 40% Filler by Weight		
Additive	• UV Stabilizer		
Features	• UV Resistant		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.25	1.25 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 Kg)	2.0 g/10 min	2.0 g/10 min	ASTM D1238
Ash Content	40 %	40 %	ASTM D2584
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	638000 psi	4400 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	6820 psi	47.0 MPa	
Break	7250 psi	50.0 MPa	
Tensile Elongation			ASTM D638
Yield	2.0 %	2.0 %	
Break	4.0 %	4.0 %	
Flexural Modulus	624000 psi	4300 MPa	ASTM D790
Flexural Strength	7980 psi	55.0 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	1.2 ft·lb/in	64 J/m	ASTM D256
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	52	52	ASTM D785
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	264 °F	129 °C	
264 Psi (1.8 Mpa), Unannealed	244 °F	118 °C	

Notes

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

