

Accucomp HD0205L

High Density Polyethylene

LyondellBasell Industries

Engineering Plastics

General			
Features	• High Density		
Forms	• Pellets		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.955	0.953 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 Kg)	12 g/10 min	12 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	160000 psi	1100 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	3920 psi	27.0 MPa	
Break	1600 psi	11.0 MPa	
Tensile Elongation			ASTM D638
Yield	10 %	10 %	
Break	300 %	300 %	
Flexural Modulus	116000 psi	800 MPa	ASTM D790
Flexural Strength	3190 psi	22.0 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)	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	117 °F	47.0 °C	
264 Psi (1.8 Mpa), Unannealed	156 °F	69.0 °C	

Notes

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

