

Technical Data Sheet

Accucomp HD0200L

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	0.950	0.948 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 Kg)	0.50 g/10 min	0.50 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	138000 psi	950 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	3770 psi	26.0 MPa	
Break	2180 psi	15.0 MPa	
Tensile Elongation			ASTM D638
Yield	44 %	44 %	
Break	350 %	350 %	
Flexural Modulus	116000 psi	800 MPa	ASTM D790
Flexural Strength	3050 psi	21.0 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	No Break	No Break	ASTM D256
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	33	33	ASTM D785
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	144 °F	62.0 °C	
264 Psi (1.8 Mpa), Unannealed	109 °F	43.0 °C	

Notes

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