Technical Data Sheet

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/cm³	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.