

Technical Data Sheet

Accucomp LD0109L

Low Density Polyethylene
LyondellBasell Industries
Engineering Plastics

General			
Features	• Low Density		
Forms	• Pellets		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.922	0.920 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 Kg)	50 g/10 min	50 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	46400 psi	320 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	1450 psi	10.0 MPa	
Break	1160 psi	8.00 MPa	
Tensile Elongation			ASTM D638
Yield	27 %	27 %	
Break	110 %	110 %	
Flexural Modulus	43500 psi	300 MPa	ASTM D790
Flexural Strength	1310 psi	9.00 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)	40	40	ASTM D785
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	113 °F	45.0 °C	

Notes

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