

Technical Data Sheet

# Accucomp LD0102L

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	0.924	0.922 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°c/2.16 Kg)	5.0 g/10 min	5.0 g/10 min	ASTM D1238

**Mechanical**

	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	43100 psi	297 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	2030 psi	14.0 MPa	
Break	2030 psi	14.0 MPa	
Tensile Elongation			ASTM D638
Yield	400 %	400 %	
Break	500 %	500 %	
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)	46	46	ASTM D785

**Thermal**

	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 66 Psi (0.45 Mpa), Unannealed	109 °F	43.0 °C	ASTM D648

**Notes**

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