

Technical Data Sheet

Accucomp HP0309L

Polypropylene Homopolymer
 LyondellBasell Industries
 Engineering Plastics

General

Forms • Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.900	0.898 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°c/2.16 Kg)	18 g/10 min	18 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	174000 psi	1200 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	4930 psi	34.0 MPa	
Break	2760 psi	19.0 MPa	
Tensile Elongation			ASTM D638
Yield	10 %	10 %	
Break	400 %	400 %	
Flexural Modulus	189000 psi	1300 MPa	ASTM D790
Flexural Strength	5800 psi	40.0 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (0.125 In (3.18 Mm))	0.60 ft·lb/in	32 J/m	ASTM D256
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	89	89	ASTM D785
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	180 °F	82.0 °C	
264 Psi (1.8 Mpa), Unannealed	127 °F	53.0 °C	

Notes

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