Technical Data Sheet

Accucomp POL052L

Polycarbonate
LyondellBasell Industries
Engineering Plastics

General	
Features	• High Viscosity
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.20	1.20 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°c/1.2 Kg)	10 g/10 min	10 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Modulus	261000 psi	1800 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	9570 psi	66.0 MPa	
Break	9430 psi	65.0 MPa	
Tensile Elongation			ASTM D638
Yield	75 %	75 %	
Break	130 %	130 %	
Flexural Modulus	392000 psi	2700 MPa	ASTM D790
Flexural Strength	14100 psi	97.0 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact	18 ft·lb/in	950 J/m	ASTM D256
Hardness	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Rockwell Hardness (R-scale)	122	122	ASTM D785
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	280 °F	138 °C	
264 Psi (1.8 Mpa), Unannealed	257 °F	125 °C	

Notes

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