

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/cm <sup>3</sup>	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.