

Technical Data Sheet

Accucomp POL055UVL

Polycarbonate
LyondellBasell Industries
Engineering Plastics

General	
Additive	• UV Stabilizer
Features	• UV Resistant
Appearance	• Clear/Transparent
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.20	1.20 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 Kg)	17 g/10 min	17 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	10900 psi	75.0 MPa	
Break	10900 psi	75.0 MPa	
Tensile Elongation			ASTM D638
Yield	7.0 %	7.0 %	
Break	170 %	170 %	
Flexural Modulus	363000 psi	2500 MPa	ASTM D790
Flexural Strength	14800 psi	102 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (0.125 In (3.18 Mm))	14 ft·lb/in	770 J/m	ASTM D256

Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	124	124	ASTM D785

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	284 °F	140 °C	
264 Psi (1.8 Mpa), Unannealed	248 °F	120 °C	

Notes

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