

Technical Data Sheet

Accucomp ACE091L

Acetal (POM) Copolymer
 LyondellBasell Industries
 Engineering Plastics

General

- | | |
|----------|------------------|
| Features | • High Viscosity |
| Forms | • Pellets |

Physical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.41	1.41 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 Kg)	2.5 g/10 min	2.5 g/10 min	ASTM D1238

Mechanical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	8850 psi	61.0 MPa	ASTM D638
Tensile Elongation (Break)	65 %	65 %	ASTM D638
Flexural Modulus	380000 psi	2620 MPa	ASTM D790
Flexural Strength	13100 psi	90.0 MPa	ASTM D790

Impact

	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	1.4 ft·lb/in	74 J/m	ASTM D256

Hardness

	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	78	78	ASTM D785

Thermal

	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	316 °F	158 °C	
264 Psi (1.8 Mpa), Unannealed	230 °F	110 °C	
Melting Temperature	329 °F	165 °C	

Notes

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