

Technical Data Sheet

Accucomp ACE093L

Acetal (POM) Copolymer
 LyondellBasell Industries
 Engineering Plastics

General

Features	• Low 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)	27 g/10 min	27 g/10 min	ASTM D1238

Mechanical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	9140 psi	63.0 MPa	ASTM D638
Tensile Elongation (Break)	50 %	50 %	ASTM D638
Flexural Modulus	387000 psi	2670 MPa	ASTM D790
Flexural Strength	13500 psi	93.0 MPa	ASTM D790

Impact

	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	1.0 ft·lb/in	54 J/m	ASTM D256

Hardness

	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	80	80	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.