

Technical Data Sheet

Accucomp GS0500L

General Purpose Polystyrene

LyondellBasell Industries

Engineering Plastics

General			
Features	• Low Temperature Impact Resistance		
Forms	• Pellets		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.04	1.04 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 Kg)	8.0 g/10 min	8.0 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	406000 psi	2800 MPa	ASTM D638
Tensile Strength (Yield)	6530 psi	45.0 MPa	ASTM D638
Tensile Elongation (Break)	5.0 %	5.0 %	ASTM D638
Flexural Modulus	435000 psi	3000 MPa	ASTM D790
Flexural Strength	12000 psi	83.0 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	0.45 ft·lb/in	24 J/m	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	199 °F	93.0 °C	
264 Psi (1.8 Mpa), Unannealed	165 °F	74.0 °C	

Notes

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