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Technical Data Sheet

Accucomp ABS881L

Acrylonitrile Butadiene Styrene
LyondellBasell Industries
Engineering Plastics

General	
Appearance	• Clear/Transparent
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.07	1.07 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°c/5.0 Kg)	3.0 g/10 min	3.0 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Modulus	290000 psi	2000 MPa	ASTM D638
Tensile Strength (Yield)	6240 psi	43.0 MPa	ASTM D638
Tensile Elongation (Break)	20 %	20 %	ASTM D638
Flexural Modulus	290000 psi	2000 MPa	ASTM D790
Flexural Strength	8700 psi	60.0 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact (0.125 In (3.18 Mm))	2.4 ft·lb/in	130 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	189 °F	87.0 °C	

Notes

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