Technical Data Sheet

Accucomp ABS810L

Acrylonitrile Butadiene Styrene
LyondellBasell Industries
Engineering Plastics

General	
Features	• Medium Impact Resistance
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.05	1.05 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°c/5.0 Kg)	2.8 g/10 min	2.8 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Modulus	239000 psi	1650 MPa	ASTM D638
Tensile Strength (Yield)	6090 psi	42.0 MPa	ASTM D638
Tensile Elongation (Break)	26 %	26 %	ASTM D638
Flexural Modulus	377000 psi	2600 MPa	ASTM D790
Flexural Strength	9430 psi	65.0 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact	5.0 ft·lb/in	270 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	
264 Psi (1.8 Mpa), Unannealed	167 °F	75.0 °C	

Notes

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