

Technical Data Sheet

Accucomp ABS811L

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/cm ³	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	254000 psi	1750 MPa	ASTM D638
Tensile Strength (Yield)	6670 psi	46.0 MPa	ASTM D638
Tensile Elongation (Break)	20 %	20 %	ASTM D638
Flexural Modulus	392000 psi	2700 MPa	ASTM D790
Flexural Strength	10200 psi	70.0 MPa	ASTM D790

Impact

	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	6.7 ft·lb/in	360 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	183 °F	84.0 °C	
264 Psi (1.8 Mpa), Unannealed	163 °F	73.0 °C	

Notes

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