

Technical Data Sheet

# Accucomp ABS856BL

Acrylonitrile Butadiene Styrene  
 LyondellBasell Industries  
 Engineering Plastics

General		
Features	High Flow	Medium Impact Resistance
Forms	• Pellets	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.05	1.05 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 Kg)	3.5 g/10 min	3.5 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	261000 psi	1800 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	7400 psi	51.0 MPa	
Break	5080 psi	35.0 MPa	
Tensile Elongation			ASTM D638
Yield	4.0 %	4.0 %	
Break	25 %	25 %	
Flexural Modulus	392000 psi	2700 MPa	ASTM D790
Flexural Strength	10400 psi	72.0 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	4.2 ft-lb/in	230 J/m	ASTM D256
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	108	108	ASTM D785
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	194 °F	90.0 °C	
264 Psi (1.8 Mpa), Unannealed	171 °F	77.0 °C	

**Notes**

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