

Technical Data Sheet

# Accucomp ABS802L

Acrylonitrile Butadiene Styrene  
 LyondellBasell Industries  
 Engineering Plastics

**General**

- |          |                          |
|----------|--------------------------|
| Features | • High Impact Resistance |
| Forms    | • Pellets                |

**Physical**

	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.04	1.04 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 Kg)	1.2 g/10 min	1.2 g/10 min	ASTM D1238

**Mechanical**

	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	276000 psi	1900 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	5800 psi	40.0 MPa	
Break	5800 psi	40.0 MPa	
Tensile Elongation			ASTM D638
Yield	3.0 %	3.0 %	
Break	25 %	25 %	
Flexural Modulus	377000 psi	2600 MPa	ASTM D790
Flexural Strength	9140 psi	63.0 MPa	ASTM D790

**Impact**

	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	8.1 ft·lb/in	440 J/m	ASTM D256

**Hardness**

	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	102	102	ASTM D785

**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	171 °F	77.0 °C	

**Notes**

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