

Technical Data Sheet

# Accucomp ABS803L

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	1.04	1.04 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 Kg)	2.2 g/10 min	2.2 g/10 min	ASTM D1238

**Mechanical**

	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	305000 psi	2100 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	6820 psi	47.0 MPa	
Break	4790 psi	33.0 MPa	
Tensile Elongation			ASTM D638
Yield	4.0 %	4.0 %	
Break	25 %	25 %	
Flexural Modulus	406000 psi	2800 MPa	ASTM D790
Flexural Strength	11200 psi	77.0 MPa	ASTM D790

**Impact**

	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	4.2 ft·lb/in	220 J/m	ASTM D256

**Hardness**

	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	107	107	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.