

Technical Data Sheet

Accucomp ABS801V

Acrylonitrile Butadiene Styrene
 LyondellBasell Industries
 Engineering Plastics

General

Uses	• Automotive Applications
Forms	• Pellets

Physical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.04	1.04 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	290000 psi	2000 MPa	ASTM D638
Tensile Strength (Yield)	5370 psi	37.0 MPa	ASTM D638
Tensile Elongation (Break)	22 %	22 %	ASTM D638
Flexural Modulus	290000 psi	2000 MPa	ASTM D790
Flexural Strength	8270 psi	57.0 MPa	ASTM D790

Impact

	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	4.6 ft·lb/in	250 J/m	ASTM D256

Hardness

	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	100	100	ASTM D785

Thermal

	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	180 °F	82.0 °C	
264 Psi (1.8 Mpa), Unannealed	156 °F	69.0 °C	

Notes

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