

Technical Data Sheet

Accucomp ABS892EL

Acrylonitrile Butadiene Styrene
 LyondellBasell Industries
 Engineering Plastics

General

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

Physical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.07	1.07 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 Kg)	0.60 g/10 min	0.60 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	6090 psi	42.0 MPa	
Tensile Elongation			ASTM D638
Yield	4.0 %	4.0 %	
Break	12 %	12 %	
Flexural Modulus	377000 psi	2600 MPa	ASTM D790
Flexural Strength	10400 psi	72.0 MPa	ASTM D790

Impact

	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	3.5 ft·lb/in	190 J/m	ASTM D256

Hardness

	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	106	106	ASTM D785

Thermal

	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	230 °F	110 °C	
264 Psi (1.8 Mpa), Unannealed	190 °F	88.0 °C	

Notes

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