

Accucomp ABS892DL

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)	0.30 g/10 min	0.30 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	7830 psi	54.0 MPa	
Break	6530 psi	45.0 MPa	
Tensile Elongation			ASTM D638
Yield	4.0 %	4.0 %	
Break	12 %	12 %	
Flexural Modulus	392000 psi	2700 MPa	ASTM D790
Flexural Strength	11000 psi	76.0 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	3.3 ft·lb/in	180 J/m	ASTM D256
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	109	109	ASTM D785
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	225 °F	107 °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.

