



Technical Data Sheet

Accutech ABS832G40L

Acrylonitrile Butadiene Styrene
 LyondellBasell Industries
 Engineering Plastics

General

Filler / Reinforcement	• Glass Fiber, 40% Filler by Weight
Forms	• Pellets

Physical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.35	1.35 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	827000 psi	5700 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	13800 psi	95.0 MPa	
Break	13800 psi	95.0 MPa	
Tensile Elongation			ASTM D638
Yield	3.0 %	3.0 %	
Break	4.0 %	4.0 %	
Flexural Modulus	1.57E+6 psi	10800 MPa	ASTM D790
Flexural Strength	21000 psi	145 MPa	ASTM D790

Impact

	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	1.7 ft·lb/in	90 J/m	ASTM D256

Hardness

	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	103	103	ASTM D785

Thermal

	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	214 °F	101 °C	
264 Psi (1.8 Mpa), Unannealed	203 °F	95.0 °C	

Additional Information

Ash Content, ASTM D2584: 40%

Notes

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