

Technical Data Sheet

Accutech ABS832G20L

Acrylonitrile Butadiene Styrene
 LyondellBasell Industries
 Engineering Plastics

General

Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight
Forms	• Pellets

Physical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.17	1.17 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 Kg)	0.50 g/10 min	0.50 g/10 min	ASTM D1238

Mechanical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	566000 psi	3900 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	11300 psi	78.0 MPa	
Break	11300 psi	78.0 MPa	
Tensile Elongation			ASTM D638
Yield	3.0 %	3.0 %	
Break	5.0 %	5.0 %	
Flexural Modulus	827000 psi	5700 MPa	ASTM D790
Flexural Strength	16500 psi	114 MPa	ASTM D790

Impact

	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	1.6 ft·lb/in	88 J/m	ASTM D256

Hardness

	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	102	102	ASTM D785

Thermal

	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	210 °F	99.0 °C	
264 Psi (1.8 Mpa), Unannealed	199 °F	93.0 °C	

Additional Information

Ash Content, ASTM D2584: 20%

Notes

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