

Technical Data Sheet

# Accutech ABS832G10L

Acrylonitrile Butadiene Styrene  
LyondellBasell Industries  
Engineering Plastics

General	
Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.10	1.10 g/cm <sup>3</sup>	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	421000 psi	2900 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	8700 psi	60.0 MPa	
Break	8700 psi	60.0 MPa	
Tensile Elongation			ASTM D638
Yield	3.0 %	3.0 %	
Break	5.0 %	5.0 %	
Flexural Modulus	537000 psi	3700 MPa	ASTM D790
Flexural Strength	12500 psi	86.0 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	1.8 ft·lb/in	96 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	205 °F	96.0 °C	
264 Psi (1.8 Mpa), Unannealed	187 °F	86.0 °C	

Additional Information
Ash Content, ASTM D2584: 10%

Notes

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