

Technical Data Sheet

Accutech ABS831G10L

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	1.18	1.18 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 Kg)	1.5 g/10 min	1.5 g/10 min	ASTM D1238

Mechanical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	435000 psi	3000 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	8120 psi	56.0 MPa	
Break	8120 psi	56.0 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	10900 psi	75.0 MPa	ASTM D790

Impact

	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	1.7 ft·lb/in	91 J/m	ASTM D256

Hardness

	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	105	105	ASTM D785

Thermal

	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	208 °F	98.0 °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.