

Technical Data Sheet

Accutech ABS831G30L

Acrylonitrile Butadiene Styrene
 LyondellBasell Industries
 Engineering Plastics

General			
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight		
Forms	• Pellets		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.26	1.26 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 Kg)	0.70 g/10 min	0.70 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	711000 psi	4900 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	11000 psi	76.0 MPa	
Break	11000 psi	76.0 MPa	
Tensile Elongation			ASTM D638
Yield	3.0 %	3.0 %	
Break	4.0 %	4.0 %	
Flexural Modulus	1.16E+6 psi	8000 MPa	ASTM D790
Flexural Strength	14500 psi	100 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	1.3 ft·lb/in	68 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	210 °F	99.0 °C	
264 Psi (1.8 Mpa), Unannealed	196 °F	91.0 °C	

Notes

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