

Technical Data Sheet

# Accutech ABS832G30L

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 <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 Kg)	0.40 g/10 min	0.40 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
------------	-------------------------	--------------------	-------------

Tensile Modulus	769000 psi	5300 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	12500 psi	86.0 MPa	
Break	12500 psi	86.0 MPa	
Tensile Elongation			ASTM D638
Yield	3.0 %	3.0 %	
Break	4.0 %	4.0 %	
Flexural Modulus	1.17E+6 psi	8100 MPa	ASTM D790
Flexural Strength	19400 psi	134 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
--------	-------------------------	--------------------	-------------

Notched Izod Impact	1.5 ft·lb/in	78 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	212 °F	100 °C	
264 Psi (1.8 Mpa), Unannealed	201 °F	94.0 °C	

**Additional Information**

Ash Content, ASTM D2584: 30%

**Notes**

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