

# Diamond ABS831G10D1A13270

## LyondellBasell Industries - Acrylonitrile Butadiene Styrene

### General Information

#### Product Description

Diamond ABS831G10D1A13270 is a Acrylonitrile Butadiene Styrene Glass Fiber, 10% filled material.

#### General

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

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.18		ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	1.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	435000	psi	ASTM D638
Tensile Strength (Yield)	8120	psi	ASTM D638
Tensile Strength (Break)	8120	psi	ASTM D638
Tensile Elongation (Yield)	3.0	%	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	537000	psi	ASTM D790
Flexural Strength	10900	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1.7	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	208	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	190	°F	ASTM D648