

Technical Data Sheet

Accuguard ABS860V0L

Acrylonitrile Butadiene Styrene
 LyondellBasell Industries
 Engineering Plastics

General

Features	• Flame Retardant
Forms	• Pellets

Physical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.20	1.20 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 Kg)	5.0 g/10 min	5.0 g/10 min	ASTM D1238

Mechanical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	247000 psi	1700 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	5950 psi	41.0 MPa	
Break	3920 psi	27.0 MPa	
Tensile Elongation			ASTM D638
Yield	4.0 %	4.0 %	
Break	25 %	25 %	
Flexural Modulus	348000 psi	2400 MPa	ASTM D790
Flexural Strength	8270 psi	57.0 MPa	ASTM D790

Impact

	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	6.7 ft-lb/in	360 J/m	ASTM D256

Hardness

	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	92	92	ASTM D785

Thermal

	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	171 °F	77.0 °C	
264 Psi (1.8 Mpa), Unannealed	151 °F	66.0 °C	

Flammability

	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating			UL 94
0.06 In (1.6 Mm)	V-0	V-0	
0.10 In (2.5 Mm)	5VA	5VA	

Notes

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