

Polyflam ABS860V0UVLB13836 SAND

LyondellBasell Industries - Acrylonitrile Butadiene Styrene

General Information

Product Description

Polyflam ABS860V0UVLB13836 SAND is a Acrylonitrile Butadiene Styrene material.

General

Additive	• Flame Retardant
Features	• Flame Retardant
Forms	• Pellets

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.20		ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	5.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	247000	psi	ASTM D638
Tensile Strength (Yield)	5950	psi	ASTM D638
Tensile Strength (Break)	3920	psi	ASTM D638
Tensile Elongation (Yield)	4.0	%	ASTM D638
Tensile Elongation (Break)	25	%	ASTM D638
Flexural Modulus	348000	psi	ASTM D790
Flexural Strength	8270	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	6.7	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	92		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	171	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	151	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in	V-0		
0.10 in	5VA		

Processing Information

Injection	Nominal Value	Unit
Drying Temperature - Desiccant Dryer	180	°F
Drying Time - Desiccant Dryer	4.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	379 to 441	°F
Middle Temperature	379 to 441	°F
Front Temperature	379 to 441	°F
Processing (Melt) Temp	390 to 441	°F
Mold Temperature	106 to 176	°F
Injection Rate	Moderate	

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Injection	Nominal Value	Unit
Back Pressure	70.1 to 200	psi
Screw Speed	50 to 150	rpm
Cushion	0.250 to 0.500	in