

Technical Data Sheet

Polyflam ABS860V0UVLB13836 SAND



Acrylonitrile Butadiene Styrene

Product Description

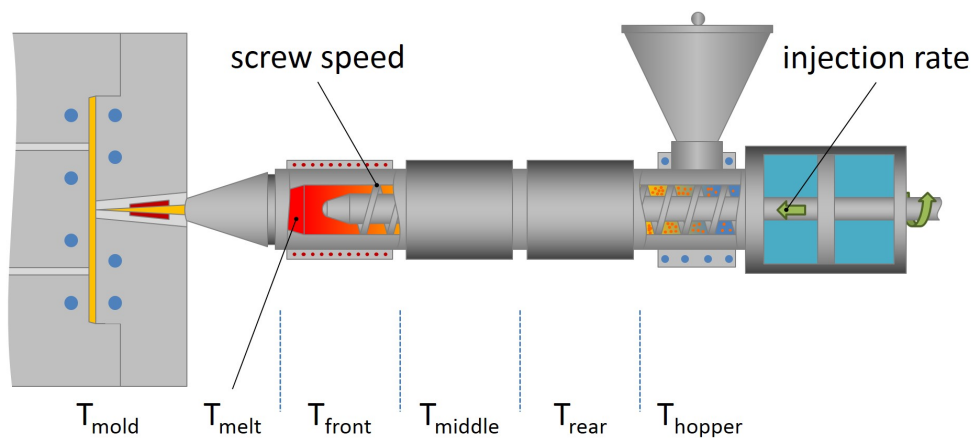
Polyflam ABS860V0UVLB13836 SAND is a Acrylonitrile Butadiene Styrene material.

Regulatory Status

For regulatory compliance information, see ABS860V0UVLB13836 SAND [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
Forms	Pellets
Additive	Flame Retardant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (200 °C/5.0 kg)	5.0	g/10 min	ASTM D1238
Density - Specific Gravity	1.2	g/cm ³	ASTM D792
Mechanical			
Tensile Elongation at Yield	4	%	ASTM D638
Tensile Strength at Yield	41	MPa	ASTM D638
Tensile Strength at Break	27	MPa	ASTM D638
Flexural Modulus	2400	MPa	ASTM D790
Tensile Elongation at Break	25	%	ASTM D638
Tensile Modulus	1700	MPa	ASTM D638
Flexural Strength	57	MPa	ASTM D790
Impact			
Notched Izod Impact	360	J/m	ASTM D256
Hardness			
Rockwell Hardness, (R-Scale)	92		ASTM D785
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	66	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	77	°C	ASTM D648
UL Information			
Flame Rating			
(1.6 mm)	V-0		UL 94
(2.5 mm)	5VA		UL 94
UL File Number	E51193		



Injection Parameters	Nominal Value	Units
Drying Time, (Desiccant Dryer)	4.0	hr
Drying Temperature, (Desiccant Dryer)	82	°C
Suggested Max Moisture	0.02	%
Screw Speed	50 to 150	rpm
Processing (Melt) Temp	199 to 227	°C
Front Temperature	193 to 227	°C
Middle Temperature	193 to 227	°C
Rear Temperature	193 to 227	°C
Injection Rate	Moderate	
Back Pressure	0.483 to 1.38	MPa
Mold Temperature	41 to 80	°C
Cushion	6.35 to 12.7	mm

Notes

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

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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