Polyflam ABS860V0UVLB15990 WHITE

LyondellBasell Industries - Acrylonitrile Butadiene Styrene

General Information

Product Description

Polyflam ABS860V0UVLB15990 WHITE 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			ASTM D648
264 psi, Unannealed	151	°F	
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