

Allen ABS AXL/LXS

Acrylonitrile Butadiene Styrene
SEKISUI Polymer Innovations, LLC

Message:

AXL/LXS is a general purpose ABS that has high impact strength and superior surface quality.

Common Applications:

- Decorative Lamination
- Critical Surface Quality for Painting
- Vehicle Interior Trim

Features and Benefits:

- Good forming properties
- Edge trim easily used into future orders
- Excellent surface quality
- Low gloss finish

General Information			
Features	Good Surface Finish		
	High Impact Resistance		
	Low Gel		
Uses	Automotive Interior Trim		
	General Purpose		
	Laminates		
Processing Method	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.02 to 1.04	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.5	MPa	ASTM D638
Flexural Modulus	2000	MPa	ASTM D790
Flexural Strength	55.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-18°C	110	J/m	
23°C	320	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	90.6	°C	ASTM D648
CLTE - Flow (-40 to 38°C)	1.0E-4	cm/cm/°C	ASTM E831
Flammability	Nominal Value		Test Method
Flame Rating (1.52 mm)	HB		UL 94
Optical	Nominal Value		Test Method

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