ALLEN® AXL/LXS

High Impact, High Surface Quality ABS Sheet (Low Gloss)

Introduction

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

General Information

ALLEN® AXL/LXS is Underwriters Laboratories, Inc® recognized for UL Std 94 HB (UL94) and Federal Motor Vehicle Safety Standard No. 302 (FMVSS 302)

Suggested Applications

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

Features

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

Environmental and Safety Considerations

SEKISUI SPI is committed to ensuring that its products can be manufactured, transported, stored, used, disposed and recycled with an appropriate regard for safety, health and environmental protection. We support the safe handling of our products. Please contact our Technical Service department at 800.682.8758 for resources or visit our website: http://www.sekisui-spi.com. For Material Safety Data Sheets, please call 800.325.3133.

SEKISUI SPI
ISO 9001 and 14001 Certified

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ALLEN THERMOPLASTICS

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Physical Properties

Property	Test Method	Typical Value[1]	
Physical			
Specific Gravity	ASTM D792	1.02-1.04 g/cc	
Gloss, 60° Angle	ASTM D523	20-50 %	
Mechanical			
Tensile Strength	ASTM D638	5,200 psi	35.8 MPa
Flexural Modulus	ASTM D790	290,000 psi	1999.4 MPa
Flexural Strength	ASTM D790	8,100 psi	55.8 MPa
Notch Izod Impact, 73 °F	ASTM D256	6.0 ft-lb/in	320 J/m
Notch Izod Impact, 0 °F	ASTM D256	2.0 ft-lb/in	106 J/m
Thermal			
Heat Deflection Temperature (HDT) 66 psi (0.45 MPa), unannealed	ASTM D648	195 °F	90.6 °C
Mold Shrinkage	ASTM D955	0.005-0.007 in/in	
CTE Flow (-40°F to 100°F)	ASTM E831	5.6×10^{-5} 1/°F	
Flammability			
Underwriters Laboratories., Inc® Component Recognition	UL Standard 94 HB	0.060 in	
Motor Vehicle Safety Standard	FMVSS 302	Passes	

1 Values based upon injection molded resin
Not intended for specification purposes.

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