

ALLEN® AX7/LXS

Co-extruded High Impact ABS Sheet (High Gloss)

Introduction

ALLEN® AX7/LXS is a general purpose ABS that has high impact strength.

General Information

ALLEN® AX7/LXS is Underwriters Laboratories, Inc® recognized for UL Std 94 HB (UL94) and Federal Motor Vehicle Safety Standard No. 302 (FMVSS 302)

Suggested Applications

- Covers and Housings
- Vehicle Interiors
- Vehicle Exteriors with Paint or Korad
- Instrument Cases

Features

- Custom color matching
- Good forming properties
- Edge trim easily used into future orders
- Korad can be applied for UV protection
- High 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

Customer Service

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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	80 %	
Mechanical			
Tensile Strength	ASTM D638	5,000 psi	34.4 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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This information supersedes all previously published data.