

## ALLEN® 2120HG

High Impact ABS, Medium to High Gloss Sheet

### Introduction

ALLEN® 2120HG is a general purpose ABS that has high impact strength and excellent forming properties.

### General Information

ALLEN® 2120HG has been tested under laboratory conditions and has achieved a UL94 HB rating at 0.060 in (1.52mm) and above and meets the requirements of Federal Motor Vehicle Safety Standard No. 302 (FMVSS 302).

### Suggested Applications

- Medical Equipment Housings
- Food Equipment Trays & Housings
- Display
- Signs

### Features

- Custom color matching
- Good forming and fabricating properties
- Edge trim easily used into future orders
- FDA 21 CFR 181.32 compliant
- Medium to 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 Safety Data Sheets, please call 800.325.3133.

#### SEKISUI SPI

##### Customer Service

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### Physical Properties

Property	Test Method	Typical Value <sup>1</sup>	
<b>PHYSICAL</b>			
Specific Gravity	ASTM D792	1.02-1.05 g/cc	
Gloss, 60° Angle	ASTM D523	80 %	
<b>MECHANICAL</b>			
Tensile Strength	ASTM D638	5,100 psi	35.1 MPa
Flexural Modulus	ASTM D790	370,000 psi	2,551.0 MPa
Flexural Strength	ASTM D790	11,300 psi	77.9 MPa
Notch Izod Impact, 73°F	ASTM D256	8.0 ft-lb/in	427 J/m
Notch Izod Impact, 0°F	ASTM D256	2.7 ft-lb/in	144 J/m
<b>THERMAL</b>			
Heat Deflection Temperature (HDT) 66 psi ( 0.45 MPa), unannealed	ASTM D648	195°F	90.6°F
Mold Shrinkage	ASTM D955	0.004-0.007 in/in	
<b>FLAMMABILITY</b>			
Underwriters Laboratories, Inc <sup>®</sup> Component Recognition	UL Standard 94 <sup>2</sup>	HB @ 0.060 in (1.52mm)	
Motor Vehicle Safety Standard	Component Recognition	Passes	
<sup>1</sup> Values based upon injection molded resin <sup>2</sup> ALLEN® 2120HG has been tested under laboratory conditions and has passed UL 94HB criteria. SEKISUI SPI makes no warranty or guarantee that these products will meet UL 94HB in the part's final, finished configuration. Not intended for specification purposes.			

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This information supersedes all previously published data.