

## ALLEN® 2150HG

Co-extruded, Medium Impact ABS, High Gloss Sheet

### Introduction

ALLEN® 2150HG is a general purpose ABS with medium impact and a high gloss finish.

### General Information

ALLEN® 2150HG 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 in future orders
- 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

1305 Lincoln Ave. Holland MI 49423 USA  
Phone: 800.823.1305  
Outside the US: +1.616.394.3808  
Fax: 800.832.5536, +1.616.394.3875  
Email: [info@sekisui-spi.com](mailto:info@sekisui-spi.com)

##### Technical Service

Phone: 800.682.8758  
Fax: +1.570.387.8722  
Outside the US: +1.570.387.6997  
[techservice@sekisui-spi.com](mailto:techservice@sekisui-spi.com)

[sekisui-spi.com](http://sekisui-spi.com)

## ALLEN® 2150HG

Co-extruded, Medium Impact ABS, High Gloss Sheet

### Physical Properties

Property	Test Method	Typical Value <sup>1</sup>	
<b>PHYSICAL</b>			
Specific Gravity	ASTM D792	1.05 g/cc	
Gloss, 60° Angle	ASTM D523	80%	
<b>MECHANICAL</b>			
Tensile Strength	ASTM D638	5,200 psi	35.8 MPa
Flexural Modulus	ASTM D790	290,000 psi	1,999.4 MPa
Flexural Strength	ASTM D790	8,600 psi	59.2 MPa
Notch Izod Impact, 73°F	ASTM D256	4.9 ft-lbs/in	261 J/m
Notch Izod Impact, 0°F	ASTM D256	2.4 ft-lbs/in	128 J/m
<b>THERMAL</b>			
Heat Deflection Temperature (HDT) @66 psi (0.45 MPa), unannealed	ASTM D648	200 °F	93.4 °C
Heat Deflection Temperature (HDT) @264 psi (1.8 MPa), unannealed	ASTM D648	190 °F	87.8 °C
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	PASS	
<sup>1</sup> Values based upon injection molded resin <sup>2</sup> ALLEN® 2150HG 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.			

### SEKISUI SPI

**Customer Service**  
 1305 Lincoln Ave. Holland MI 49423 USA  
 Phone: 800.823.1305  
 Outside the US: +1.616.394.3808  
 Fax: 800.832.5536, +1.616.394.3875  
 Email: info@sekisui-spi.com

**Technical Service**  
 Phone: 800.682.8758  
 Fax: +1.570.387.8722  
 Outside the US: +1.570.387.6997  
 techservice@sekisui-spi.com

[sekisui-spi.com](http://www.sekisui-spi.com)

Because we cannot anticipate or control the many different conditions under which this information and our products may be used, we do not guarantee the applicability of the accuracy of this information or the suitability of our products in any given situation. Users should conduct their own tests to determine the suitability of each product for their particular purposes. Data in the physical property table represents typical values and are to serve only as a guide for engineering design. Results are obtained from specimens under ideal laboratory conditions. Right to change physical properties as a result of technical progress is reserved. THE PRODUCTS DISCUSSED ARE SOLD WITHOUT WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE, EITHER EXPRESSED OR IMPLIED, EXCEPT AS PROVIDED IN OUR STANDARD TERMS AND CONDITIONS OF SALE. Buyer assumes all responsibility for loss or damage arising from the handling and use of our products, whether done in accordance with directions or not. In no event shall the supplier or the manufacturer be liable for incidental or consequential damages. Also, statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patent. Consult local code and regulatory agencies for specific requirements regarding code compliance, transporting, processing, recycling and disposal of our product. Product not intended for use as a heat resistant surface. Texture, product grade and other conditions may cause variations in appearance.

This information supersedes all previously published data.