

## ALLEN® 5050WLG

Co-extruded, High Impact ASA/ABS, Low to Medium Gloss Sheet

### Introduction

ALLEN® 5050WLG is high impact ABS capped with low to medium gloss ASA for UV protection.

### General Information

ALLEN® 5050WLG 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

- Vehicle Exteriors
- Radomes
- Agriculture Equipment
- Construction Equipment
- Marine Parts

### Features

- Custom color matching
- Excellent UV properties
- Edge trim easily used into future orders
- Low to medium gloss finish
- Good low temperature performance

### 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	1.02-1.04 g/cc	
Gloss, 60° Angle	ASTM D523	30 - 70 %	
<b>MECHANICAL</b>			
Tensile Strength	ASTM D638	5,000 psi	34.4MPa
Flexural Modulus	ASTM D790	285,000 psi	1,965 MPa
Flexural Strength	ASTM D790	8,000 psi	55.1 MPa
Notch Izod Impact, 23° (73° F)	ASTM D256	6.5 ft-lb/in	347 J/m
Notch Izod Impact, -30°C (-22°F)	ASTM D256	2.0 ft-lb/in	107 J/m
<b>THERMAL</b>			
Heat Deflection Temperature (HDT) @264 psi (1.8 MPa), unannealed	ASTM D648	175 °F	79.4 °C
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	
<b>FLAMMABILITY</b>			
Underwriters Laboratories, Inc® Component Recognition	UL Standard 94 <sup>2</sup>	HB @ 0.060 in (1.52mm)	
Motor Vehicle Safety Standard	FMVSS 302	PASSES	
<sup>1</sup> Values based upon injection molded resin <sup>2</sup> ALLEN® ALLEN® 5050WLG 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 parts final, finished configuration. Not intended for specification purposes.			

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This information supersedes all previously published data.