

## 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 Exteriors
- Construction Equipment Exteriors
- 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 & SAFETY CONSIDERATIONS

SEKISUI KYDEX, LLC 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 appLab™ department at 800.682.8758 for resources and Safety Data Sheets or visit our website: [www.kydex.com](http://www.kydex.com).



#### Customer Collaboration

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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, yield	ASTM D638	34.4 MPa	5,000 psi
Flexural Strength	ASTM D790	55.1 MPa	8,000 psi
Flexural Modulus	ASTM D790	1,965 MPa	285,000 psi
Notched Izod Impact Resistance	ASTM D256	283.5 J/m	5.3 ft-lbs/in
Notched Izod Impact Resistance @ -30°C (-22°F)	ASTM D256	165.5 J/m	3.1 ft-lbs/in
<b>THERMAL</b>			
Heat Deflection Temperature (HDT) 264 psi (1.8 MPa), Annealed	ASTM D648	79.4°C	175°F
Heat Deflection Temperature (HDT) 66 psi (0.45 MPa), Annealed	ASTM D648	90.6°C	195°F
Mold Shrinkage	ASTM D955	0.005 - 0.007 in/in	
<b>FLAMMABILITY<sup>2</sup></b>			
Underwriters Laboratories, Inc ® Component Recognition	UL Standard 94 <sup>2</sup>	HB @ 1.52mm (0.060in)	
Motor Vehicle Safety Standard	FMVSS 302	Passes	
<sup>1</sup> Values based upon injection molded resin. <sup>2</sup> ALLEN® 5050WLG has been tested under laboratory conditions and has passed UL 94HB criteria. SEKISUI KYDEX, LLC 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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