

## ALLEN® 6225HG

Acrylic Capped, Medium Impact ABS, High Gloss Sheet

### INTRODUCTION

**ALLEN® 6225HG is acrylic capped ABS with excellent surface hardness, UV protection, and distinction of image.**

### GENERAL INFORMATION

ALLEN® 6225HG 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

- Tub and Shower Surrounds
- Sinks
- Kayaks
- Agriculture Equipment
- Marine parts

### FEATURES

- Custom color matching
- UV protection
- Hard surface
- High gloss finish

### 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 - 1.05	
Density	ISO 1183	1.02 - 1.05 g/cm <sup>3</sup>	0.037 - 0.038 lb/in <sup>3</sup>
<b>MECHANICAL</b>			
Tensile Strength	ASTM D638	35.1 MPa	5,100 psi
Flexural Modulus	ASTM D790	2,551.0 MPa	370,000 psi
Flexural Strength	ASTM D790	77.9 MPa	11,300 psi
Notched Izod Impact, 23 oC (73 oF)	ASTM D256	427 J/m	8.0 ft-lb/in
Notched Izod Impact, -17 oC (0 oF)	ASTM D256	144 J/m	2.7 ft-lb/in
<b>THERMAL</b>			
Heat Deflection Temperature (HDT) 66 psi (0.45 MPa), Unannealed	ASTM D648	90.6°C	195°F
Mold Shrinkage	ASTM D955	0.004 - 0.007 in/in	
<b>FLAMMABILITY<sup>2</sup></b>			
Underwriters Laboratories., Inc @ Component Recognition	UL Standard 94 <sup>2</sup>	HB @ 1.52mm (0.060 in)	
Motor Vehicle Safety Standard	FMVSS 302	Passes	
<sup>1</sup> Values based upon 0.125" (3.17mm) sheet unless otherwise specified. <sup>2</sup> ALLEN® 6225HG 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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