

## ALLEN® 2095MG

Co-extruded, High Impact ABS, Medium Gloss Sheet

### INTRODUCTION

ALLEN® 2095MG is a general purpose ABS that has high impact strength and a good cost to performance ratio to other materials like painted metal, FRP, aluminum, and other thermoplastics.

### GENERAL INFORMATION

ALLEN® 2095MG 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

- Marine products
- Recreational Vehicles
- Agricultural cab interiors
- Truck interiors
- Equipment covers
- P.O.P Displays

### FEATURES

- Custom color matching
- Ease of processing
- Regrind compatible in future orders
- UV protective films available
- Medium 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

1305 Lincoln Ave. Holland MI 49423 USA  
Phone: 800.823.1305, +1.616.694.3808  
Email: [info@kydex.com](mailto:info@kydex.com)

#### appLab™

Phone: 800.682.8758  
Email: [applab@kydex.com](mailto:applab@kydex.com)

[kydex.com](http://kydex.com)

## ALLEN® 2095MG

Co-extruded, High Impact ABS, Medium Gloss Sheet

PROPERTY	TEST METHOD	TYPICAL VALUE <sup>1</sup>	
<b>PHYSICAL</b>			
Specific Gravity	ASTM D792	1.05 g/cc	
Water Absorption, 24 hr	ASTM D570	0.31%	
Rockwell Harness, R-Scale	ASTM D785	99	
<b>MECHANICAL</b>			
Tensile Strength, yield	ASTM D638	34.9 MPa	5,060 psi
Tensile Modulus	ASTM D638	2,034.0 MPa	295,000 psi
Flexural Stress at 5% Strain	ASTM D790	53.4 MPa	7,740 psi
Flexural Modulus	ASTM D790	1,820.0 MPa	264,000 psi
Compressive Strength, yield	ASTM D695	50.6 MPa	7,340 psi
Shear Strength	ASTM D732	37.4 MPa	5,430 psi
Bearing Strength, 4% deflection	ASTM D953	20.3 MPa	2,950 psi
Bearing Strength, max.	ASTM D953	171.7 MPa	24,900 psi
Notched Izod Impact Resistance	ASTM D256	279 J/m	5.2 ft-lbs/in
Gardner Drop Dart Impact, GE	ASTM D5420	16.7 J	148 in-lb <sub>f</sub>
<b>THERMAL</b>			
Heat Deflection Temperature (HDT) 264 psi (1.8 MPa), Unannealed	ASTM D648	79.4°C	175°F
Heat Deflection Temperature (HDT) 66 psi (0.45 MPa), Unannealed	ASTM D648	90.6°C	195°F
Coefficient of Thermal Expansion (MD)	ASTM E831	84 µm/m/°C	46.7 µin/in/°F
<b>ELECTRICAL</b>			
Dielectric Strength, oil	ASTM D149	16.3 kV/mm	414 V/mil
<b>FLAMMABILITY</b>			
Underwriters Laboratories., Inc ® Component Recognition	UL Standard 94 <sup>2</sup>	HB @ 0.060in (1.52mm)	
Motor Vehicle Safety Standard	Component Recognition	Pass	
<sup>1</sup> Values based upon injection molded resin <sup>2</sup> ALLEN® 2095MG 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.			



### Customer Collaboration

1305 Lincoln Ave. Holland MI 49423 USA  
 Phone: 800.823.1305, +1.616.694.3808  
 Email: info@kydex.com

### appLab™

Phone: 800.682.8758  
 Email: applab@kydex.com

kydex.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.