

## ALLEN® ALEXTRA™ ET

Co-extruded, High Impact PC, High Gloss Sheet

### INTRODUCTION

ALLEN® ALEXTRA™ ET offers a weatherable, durable and ductile, high and low temperature resistant PC sheet product that will meet your most extreme outdoor application.

### GENERAL INFORMATION

ALLEN® ALEXTRA™ ET has been tested under laboratory conditions and has achieved a UL94 HB rating at 0.118 in (3.0mm).

### SUGGESTED APPLICATIONS

- Industrial
- Heavy Truck / Bus
- Marine
- Recreational Vehicle
- Personal Recreation
- Agriculture / Construction

### FEATURES

- Excellent physical property retention
- Excellent UV properties
- Low temperature Impact to -60°C
- Chemical resistant
- Abrasion resistant
- Repairable surface
- Low coefficient of friction
- High heat deflection temperature
- Excellent bondability
- 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

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® ALEXTRA™ ET

Co-extruded, High Impact PC, High Gloss Sheet

PROPERTY	TEST METHOD	TYPICAL VALUE <sup>1</sup>	
<b>PHYSICAL</b>			
Specific Gravity	ASTM D792	1.18 g/cc	
Water	ISO 62	0.35%	
<b>MECHANICAL</b>			
Tensile Strength	ASTM D638	57.9 MPa	8,400 psi
Tensile Strain (yield)	ASTM D638	6%	
Tensile Strain (break)	ASTM D638	130%	
Tensile Modulus	ASTM D638	2,061.5 MPa	299,000 psi
Flexural Stress	ASTM D790	88.2 MPa	12,800 psi
Flexural Modulus	ASTM D790	2,061.5 MPa	299,000 psi
Notched Izod Impact Resistance @ 73°F (23°C)	ASTM D256	801 J/m	15 ft-lbs/in
Notched Izod Impact Resistance @ -22°F (-30°C)	ASTM D256	678 J/m	12.7 ft-lbs/in
Notched Izod Impact Resistance @ -60°F (-51°C)	ASTM D256	587 J/m	11 ft-lbs/in
Instrumented Impact Total Energy, 73°F	ASTM D3763	53 J	467 in-lb
<b>THERMAL</b>			
Heat Deflection Temperature (HDT) 264 psi (1.8 MPa), Unannealed	ASTM D648	120.5°C	249°F
Heat Deflection Temperature (HDT) 66 psi (0.45 MPa), Unannealed	ASTM D648	134.4°C	274°F
CTE Flow (-40°F - 100°F)	ASTM E831	3.70 x 10 <sup>-5</sup> 1/°F	
Mold Shrinkage	GE Method	0.4 - 0.8 %	
<b>FLAMMABILITY</b>			
Underwriters Laboratories, Inc.® Component Recognition	UL Standard 94 <sup>2</sup>	HB @ 0.118 in (3.0mm)	
Oxygen Index	ISO 4589	35%	
<sup>1</sup> Data taken from resin data sheets. This chart is for overview purposes only. <sup>2</sup> ALLEN® ALEXTRA™ ET 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.