

## ALLEN® Alextra™ ET

Co-extruded PC 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 is Underwriters Laboratories, Inc® recognized for UL Std 94 HB (UL94)

### Suggested Applications

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

### Features

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

### 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 Material Safety Data Sheets, please call 800.325.3133.

#### SEKISUI SPI

ISO 9001 and 14001 Certified

#### Customer Service

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### Physical Properties

Property	Test Method	Typical Value <sup>1</sup>	
<b>Physical</b>			
Specific Gravity	ASTM D792	1.18	
Water Absorption, equilibrium, 73°F	ISO 62	0.35 %	
<b>Mechanical</b>			
Tensile Strength	ASTM D638	8,400 psi	57.9 MPa
Tensile Strain (yield)	ASTM D638	6 %	
Tensile Strain (break)	ASTM D638	130 %	
Tensile modulus	ASTM D638	299,000 psi	2061.5 MPa
Flexural Stress	ASTM D790	88.2 MPa	12,800 psi
Flexural Modulus	ASTM D790	299,000 psi	2061.5 MPa
Izod impact, notched, 73°F	ASTM D256	15 ft-lb/in	801 J/m
Izod impact, notched, -22°F	ASTM D256	12.7 ft-lb/in	678 J/m
Izod impact, notched, -60°F	ASTM D256	11 ft-lb/in	587 J/m
Instrumented Impact Total Energy, 73°F	ASTM D3763	467 in-lb	
<b>Thermal</b>			
Heat Deflection Temperature (HDT) 66 psi ( 0.45 MPa), unannealed	ASTM D648	274 °F	134.4 °C
Heat Deflection Temperature (HDT) 264 psi ( 1.82 MPa), unannealed	ASTM D648	249 °F	120.5 °C
Mold Shrinkage	GE method	0.4-0.8 %	
CTE Flow (-40°F to 100°F)	ASTM E831	3.70×10 <sup>-5</sup> 1/°F	
<b>Flammability</b>			
Underwriters Laboratories, Inc® Component Recognition	UL Standard 94 HB	0.031 in-lb	
Oxygen Index (LOI)	ISO 4589	35 %	
<sup>1</sup> Data taken from resin data sheets. This chart is for overview purposes only. Not intended for specification purposes.			

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This information supersedes all previously published data.