

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 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 Safety Data Sheets, please call 800.325.3133.

SEKISUI SPI

Customer Service

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Physical Properties

Property	Test Method	Typical Value ¹	
PHYSICAL			
Specific Gravity	ASTM D792	1.18	
Water	ISO 62	0.35%	
MECHANICAL			
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	2,061.5 MPa
Flexural Stress	ASTM D790	12,800 psi	88.2 MPa
Flexural Modulus	ASTM D790	299,000 psi	2,061.5 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	53 J
THERMAL			
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 - 100°F)	ASTM E831	3.70 x 10 ⁻⁵ 1/°F	
FLAMMABILITY			
Oxygen Index	ISO 4589	35 %	
Underwriters Laboratories, Inc. [®] Component Recognition	UL Standard 94 ²	HB @ 0.118 in (3.0mm)	
<p>¹ Data taken from resin data sheets. This chart is for overview purposes only.</p> <p>² ALLEN® ALEXTRA™ ET has been tested under laboratory conditions and has passed UL 94HB criteria. SEKISUI SPI makes no warranty or guarantee that these products will meet UL 94HB in the parts final, finished configuration. Not intended for specification purposes.</p>			

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This information supersedes all previously published data.