

ALLEN® 6000

Tri-layered PMMA/ABS Sheet

Introduction

ALLEN® 6000 is designed for outdoor applications that require protection from UV exposure. It also works well for indoor applications when specialty colors, metallic effects and depth of image are needed. Low gloss matte version available.

General Information

ALLEN® 6000 is created with a unique three-layer extrusion process to enable its unique set of properties. And it Underwriters Laboratories, Inc® recognized for UL Std 94 HB (UL94).

Suggested Applications

- Agricultural & Heavy Equipment
- All Terrain/Utility Terrain Vehicles
- Marine parts
- Drink Dispensers
- Recreational Vehicle
- Sink & Bath

Features

- Excellent Weather-ability
- Superior Smooth Finish (Gloss version)
- Good Chemical Resistance
- Abrasion Resistance
- Low Gloss version
- Excellent Depth of Image

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 ¹	
Physical			
Specific Gravity	ASTM D792	1.06 g/cc	
Gloss, 60° Angle	ASTM D523	90 %	
Mechanical			
Tensile Strength (yield)	ASTM D638	5,000 psi	34.4MPa
Tensile Strength (break)	ASTM D638	4,500 psi	31.0 MPa
Tensile Elongation (yield)	ASTM D638	2.9 %	
Tensile Elongation (break)	ASTM D638	7.8 %	
Tensile Modulus	ASTM D638	290,000 psi	1999.4 MPa
Flexural Modulus	ASTM D790	300,000 psi	2068.4 MPa
Flexural Strength	ASTM D790	10,000 psi	68.9 MPa
Notch Izod Impact, 73 °F	ASTM D256	4.0 ft-lb/in	213 J/m
Thermal			
Heat Deflection Temperature (HDT) 264 psi (1.82 MPa), unannealed	ASTM D648	175 °F	79.4 °C
Flammability			
Underwriters Laboratories, Inc® Component Recognition	UL Standard 94 HB	0.060 in	
Motor Vehicle Safety Standard	FMVSS 302	Passes	
¹ Values based upon injection molded resin Not intended for specification purposes.			

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This information supersedes all previously published data.