

ALLEN® FR3030

High Impact, Fire Rated PC/ABS Sheet

Introduction

ALLEN® FR3030 is a polycarbonate and ABS blend with very high impact properties, stiffness, heat resistance and a non-halogenated flame retardant V-0 rating.

General Information

ALLEN® FR3030 is Underwriters Laboratories, Inc® recognized for UL Std 94 V-0 (UL94) and Federal Motor Vehicle Safety Standard No. 302 (FMVSS 302)

Suggested Applications

- Medical Equipment Housings
- Electrical Housings and Covers
- Vehicle Interior Trim Parts
- Battery Charging Station

Features

- Flame retardant
- Halogen free
- Low smoke toxicity
- High heat deflection temperature
- Increased stiffness
- Edge trim easily used into future orders
- 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 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	1.18 g/cm ³	
Gloss, 60° Angle	ASTM D523	85 %	
Mechanical			
Tensile Strength	ASTM D638	10,000 psi	68.9 MPa
Flexural Modulus	ASTM D790	405,000 psi	2792.3 MPa
Notch Izod Impact, 73 °F	ASTM D5420	14 ft-lb/in	747 J/m
Notch Izod Impact, 0 °F	ASTM D256	3 ft-lb/in	160 J/m
Thermal			
Heat Deflection Temperature (HDT) 66 psi (0.45 MPa), unannealed	ASTM D648	222 °F	105.6 °C
Vicat Softening Temperature	ISO 306	235 °F	112.8 °C
Mold Shrinkage	ASTM D955	0.004-0.006 in/in	
Flammability			
Underwriters Laboratories., Inc® Component Recognition	94 V-0	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.