

ALLEN® 3800F

High Impact ABS Sheet (High Gloss)

Introduction

ALLEN® 3800F is a general purpose ABS with high impact strength, especially at lower temperature.

General Information

ALLEN® 3800F is Underwriters Laboratories, Inc® recognized for UL Std 94 HB (UL94), Federal Motor Vehicle Safety Standard No. 302 (FMVSS 302), and US Food And Drug Administration CFR 181.32 (Acrylonitrile copolymers and resins).

Suggested Applications

- Mechanical Equipment Housings
- Beverage Dispensers
- Ice Bins
- Food Equipment

Features

- Good cold temperature impact
- Custom color matching
- Good forming properties
- Edge trim easily used into future orders
- FDA 21 CFR 181.32 compliant
- 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	1.02-1.04 g/cc	
Gloss, 60° Angle	ASTM D523	85 %	
Mechanical			
Tensile Strength	ASTM D638	5,800 psi	39.9 MPa
Flexural Modulus	ASTM D790	302,000 psi	2082.2 MPa
Flexural Strength	ASTM D790	9,700 psi	66.8 MPa
Notch Izod Impact, 73 °F	ASTM D256	8.1 ft-lb/in	432 J/m
Notch Izod Impact, 0 °F	ASTM D256	5.6 ft-lb/in	299 J/m
Thermal			
Heat Deflection Temperature (HDT) 66 psi (0.45 MPa), unannealed	ASTM D648	200 °F	90.5 °C
Mold Shrinkage	ASTM D955	0.005-0.007 in/in	
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.