

ALLEN® 556/3800

FDA Grade, High Impact ABS, Matte Gloss Sheet

Introduction

ALLEN® 556/3800 is a general purpose ABS that has high impact strength and a good cost to performance ratio to other materials like stainless steel, and other thermoplastics.

General Information

ALLEN® 556/3800 is Underwriters Laboratories, Inc® recognized for UL Std 94 HB (UL94) and Federal Motor Vehicle Safety Standard No. 302 (FMVSS 302), US Food And Drug Administration 21 CFR 181.32 (Acrylonitrile copolymers and resins).

Suggested Applications

- Covers for food processing equipment
- Splash zone guards
- Deli risers

Features

- Custom color matching
- FDA 21 CFR 181.32 compliant
- Matte 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

ISO 9001:2008 and 14001:2004 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	
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
Notched Izod Impact, 23 °C (73 °F)	ASTM D256	8.1 ft-lb/in	432 J/m
Notched Izod Impact, -17 °C (0 °F)	ASTM D256	5.6 ft-lb/in	299 J/m
THERMAL			
Heat Deflection Temperature (HDT) @66 psi (.45 MPa), unannealed	ASTM D648	200 °F	90.5 °C
Mold Shrinkage	ASTM D955	0.005-0.007 in/in	
FLAMABILITY			
Underwriters Laboratories, Inc. [®] Component Recognition	UL Standard 94 HB	0.060 in	
Motor Vehicle Safety Standard	FMVSS 302	PASS	
¹ Values based upon 0.125" (3.17mm) sheet unless otherwise specified. Not intended for specification purposes.			

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This information supersedes all previously published data.