

ALLEN® MC8100

High Impact, High HDT PC/ABS Sheet (High Gloss)

Introduction

ALLEN® MC8100 is a general purpose PC/ABS with high impact strength and high heat deflection.

General Information

ALLEN® MC8100 meets Federal Motor Vehicle Safety Standard No. 302 (FMVSS 302)

Suggested Applications

- Vehicle Interior Trim
- Covers and Housings
- Vehicle Exteriors (painted)
- Instrument Panels

Features

- Custom color matching
- Good forming properties
- Edge trim easily used for future orders
- High heat deflection temperature
- High gloss finish
- Meets many automotive specifications

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	1.13 g/cc	
Gloss, 60° Angle	ASTM D523	80 %	
Mechanical			
Tensile Strength	ASTM D638	7,600 psi	52.4 MPa
Flexural Modulus	ASTM D790	300,000 psi	2068.4 MPa
Notch Izod Impact, 73 °F	ASTM D256	10 ft-lb/in	534 J/m
Notch Izod Impact, 0 °F	ASTM D256	8 ft-lb/in	427 J/m
Thermal			
Heat Deflection Temperature (HDT) 66 psi (0.45 MPa), unannealed	ASTM D648	255 °F	123.9 °C
Heat Deflection Temperature (HDT) 264 psi (1.8 MPa), unannealed	ASTM D648	220 °F	104.5 °C
Vicat Softening Temperature	ASTM D1525	281 °F	138 °C
Mold Shrinkage	ASTM D955	0.004-0.007 in/in	
Forming Temperature Range	-	320-400°F	
Mold Temperature Range	-	150-200°F	
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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