

## ALLEN® E3400

High Impact TPO Sheet

### Introduction

ALLEN® E3400 is a general purpose TPO with high impact properties and a wide thermoforming processing window.

### General Information

ALLEN® E3400 meets Federal Motor Vehicle Safety Standard No. 302 (FMVSS 302)

### Suggested Applications

- Vehicle Interiors
- Marine Parts
- Industrial Housings
- Heavy Equipment parts
- Agriculture Equipment parts
- Automotive Aftermarket

### Features

- UV stable
- Very high gloss and depth of image
- Excellent low temperature impact strength
- Edge trim easily used into future orders
- Excellent chemical resistance
- Good dimensional stability
- High heat resistance

### 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 <sup>1</sup>	
<b>Physical</b>			
Specific Gravity	ASTM D-792	1.12 g/cm <sup>3</sup>	
Gloss, 60° Angle	ASTM D523	20-30 %	
Surface Hardness, Shore D	ISO 868	62	
<b>Mechanical</b>			
Tensile Strength	ISO 527	3,045 psi	20.9 MPa
Flexural Modulus	ASTM D790	307,000 psi	2116.6 MPa
Gardner Impact Strength, -30°C	ASTM D5420	316 in/lbs	35.7 J
Notch Izod Impact, 23°C	ISO 180	40.4 ft-lb/in <sup>2</sup>	85 KJ/m <sup>2</sup>
Notch Izod Impact, -30°C	ISO 180	3.32 ft-lb/in <sup>2</sup>	7 KJ/m <sup>2</sup>
<b>Thermal</b>			
Heat Deflection Temperature (HDT) 65 psi ( 0.45 MPa), unannealed	ISO 75	214 °F	101 °C
Heat Deflection Temperature (HDT) 261 psi (1.8 MPa), unannealed	ISO 75	138 °F	59 °C
Mold Shrinkage	ISO 294-4	0.7-0.9 %	
<b>Flammability</b>			
Motor Vehicle Safety Standard	FMVSS 302	Passes	
<sup>1</sup> Values based upon injection molded resin Not intended for specification purposes.			

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