

## ALLEN® T3050LG High Impact TPO, Low Gloss Sheet

### Introduction

ALLEN® T3050LG is a general purpose TPO that has high impact properties and a good cost to performance ratio to other materials like steel, FRP, aluminum, and other thermoplastics.

### General Information

ALLEN® T3050LG has been tested under laboratory conditions and has achieved a UL94 HB rating at 0.060 in (1.52mm) and above and meets the requirements of Federal Motor Vehicle Safety Standard No. 302 (FMVSS 302).

### Suggested Applications

- Vehicle Interiors
- Industrial Housings
- Heavy Equipment parts
- Agriculture Equipment parts
- Antenna covers
- Exterior RV components

### Features

- UV and non UV resistant products available
- Excellent low temperature impact strength
- Edge trim easily used into future orders
- Excellent chemical resistance
- High heat resistance
- Low gloss finish only

### 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

##### Customer Service

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### Physical Properties

Property	Test Method	Typical Value <sup>1</sup>	
<b>PHYSICAL</b>			
Specific Gravity	ASTM D792	1.13	
Water Absorption, 24hr	ASTM D570	0.01 %	
Rockwell Hardness, R-Scale	ASTM D785	51	
<b>MECHANICAL</b>			
Tensile Strength	ASTM D638	2,870 psi	19.8 MPa
Tensile Modulus	ASTM D638	393,000 psi	2709.6 MPa
Flexural Modulus	ASTM D790	331,000 psi	2282.2 MPa
Flexural Stress at 5% Strain	ASTM D790	4,230 psi	29.2 MPa
Compressive Strength, yield	ASTM D695	3,350 psi	23.1 MPa
Shear Strength	ASTM D732	2,910 psi	20.1 MPa
Bearing Strength, 4% deflection	ASTM D953	2,630 psi	18.1 MPa
Bearing Strength, max.	ASTM D953	14,000 psi	96.5 MPa
Notched Izod Impact Resistance	ASTM D256	12.8 ft-lbs/in	683.5 J/m
Gardner Drop Dart Impact, GE	ASTM D5420	302 in-lbf	34.1 J
<b>THERMAL</b>			
Heat Deflection Temperature (HDT) @264 psi (1.8 MPa), unannealed	ASTM D648	139.7 °F	59.9 °C
Heat Deflection Temperature (HDT) @66 psi (0.45 MPa), unannealed	ASTM D648	240.6 °F	116 °C
Coefficient of Thermal Expansion (MD)	ASTM E831	22 µin/in/°F	39.5 µm/m/°C
<b>ELECTRICAL</b>			
Dielectric Strength, oil	ASTM D149	580 V/mil	22.9 kV/mm
<b>FLAMMABILITY</b>			
Underwriters Laboratories, Inc. <sup>®</sup> Component Recognition	UL Standard 94 <sup>2</sup>	HB @ 0.060 in (1.52mm)	
Motor Vehicle Safety Standard	FMVSS 302	PASS	
<sup>1</sup> Values based upon 0.125" (3.17mm) sheet unless otherwise specified. <sup>2</sup> ALLEN® T3050LG has been tested under laboratory conditions and has passed UL 94HB criteria. SEKISUI SPI makes no warranty or guarantee that these products will meet UL 94HB in the parts final, finished configuration. Not intended for specification purposes.			

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This information supersedes all previously published data.