

ALLEN® 5225WLG

Co-extruded, Very High Impact ASA/PCABS, Low to Medium Gloss Sheet

Introduction

ALLEN® 5225WLG Sheet has an excellent weatherable performance and property retention with high impact strength, high heat deflection, and stiffness.

General Information

ALLEN® 5225WLG has been tested under laboratory conditions and meets the requirements of Federal Motor Vehicle Safety Standard No. 302 (FMVSS 302).

Suggested Applications

- Engine Covers
- Heavy Truck
- Recreational Vehicles
- Bus / Van
- Auto After-Market
- Agriculture / Construction Equipment

Features

- Wide range of colors
- Excellent physical property retention
- Excellent low temperature impact
- High heat deflection temperature
- Improved performance over ABS
- Higher modulus (Increased stiffness)

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

1305 Lincoln Ave. Holland MI 49423 USA
Phone: 800.823.1305
Outside the US: +1.616.394.3808
Fax: 800.832.5536, +1.616.394.3875
Email: info@sekisui-spi.com

Technical Service

Phone: 800.682.8758
Fax: +1.570.387.8722
Outside the US: +1.570.387.6997
techservice@sekisui-spi.com

sekisui-spi.com

ALLEN® 5225WLG

Co-extruded, Very High Impact ASA/PCABS, Low to Medium Gloss Sheet

Physical Properties

Property	Test Method	Typical Value ¹	
PHYSICAL			
Specific Gravity	ASTM D792	1.12	
Water Absorption, 24hr	ASTM D570	0.22 %	
Rockwell Hardness, R-Scale	ASTM D785	104	
MECHANICAL			
Tensile Strength	ASTM D638	6,190 psi	42.7 MPa
Tensile Modulus	ASTM D638	289,000 psi	1992.6 MPa
Flexural Modulus	ASTM D790	285,000 psi	1965.0 MPa
Flexural Stress at 5% Strain	ASTM D790	9,500 psi	65.5 MPa
Compressive Strength, yield	ASTM D695	7,690 psi	53.0 MPa
Shear Strength	ASTM D732	5,840 psi	40.3 MPa
Bearing Strength, 4% deflection	ASTM D953	3,660 psi	25.2 MPa
Bearing Strength, max.	ASTM D953	29,600 psi	204.0 MPa
Notched Izod Impact Resistance	ASTM D256	8.22 ft-lbs/in	438.8 J/m
Notched Izod Impact Resistance @ -29°C (-20°F)	ASTM D256	2.85 ft-lbs/in	152.1 J/m
Gardner Drop Dart Impact, GE	ASTM D5420	602 in-lbf	68.0 J
Gardner Drop Dart Impact, GE @ -29°C (-20°F)	ASTM D5420	>640 in-lbf	>72.3 J
THERMAL			
Heat Deflection Temperature (HDT) @264psi (1.8MPa), annealed	ASTM D648	246.2°F	119°C
Heat Deflection Temperature (HDT) @66psi (0.45MPa), annealed	ASTM D648	273.2°F	134°C
Coefficient of Thermal Expansion (MD)	ASTM E831	44.5 µin/in/°F	80.0 µm/m/°C
ELECTRICAL			
Dielectric Strength, oil	ASTM D149	>333 V/mil	>13.1 kV/mm
FLAMMABILITY			
Motor Vehicle Safety Standard	FMVSS 302	PASS	
¹ Values based upon 0.180" (4.57mm) sheet unless otherwise specified Not intended for specification purposes.			

SEKISUI SPI

Customer Service
 1305 Lincoln Ave. Holland MI 49423 USA
 Phone: 800.823.1305
 Outside the US: +1.616.394.3808
 Fax: 800.832.5536, +1.616.394.3875
 Email: info@sekisui-spi.com

Technical Service
 Phone: 800.682.8758
 Fax: +1.570.387.8722
 Outside the US: +1.570.387.6997
 techservice@sekisui-spi.com

[sekisui-spi.com](http://www.sekisui-spi.com)

Because we cannot anticipate or control the many different conditions under which this information and our products may be used, we do not guarantee the applicability of the accuracy of this information or the suitability of our products in any given situation. Users should conduct their own tests to determine the suitability of each product for their particular purposes. Data in the physical property table represents typical values and are to serve only as a guide for engineering design. Results are obtained from specimens under ideal laboratory conditions. Right to change physical properties as a result of technical progress is reserved. THE PRODUCTS DISCUSSED ARE SOLD WITHOUT WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE, EITHER EXPRESSED OR IMPLIED, EXCEPT AS PROVIDED IN OUR STANDARD TERMS AND CONDITIONS OF SALE. Buyer assumes all responsibility for loss or damage arising from the handling and use of our products, whether done in accordance with directions or not. In no event shall the supplier or the manufacturer be liable for incidental or consequential damages. Also, statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patent. Consult local code and regulatory agencies for specific requirements regarding code compliance, transporting, processing, recycling and disposal of our product. Product not intended for use as a heat resistant surface. Texture, product grade and other conditions may cause variations in appearance.

This information supersedes all previously published data.