

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 & SAFETY CONSIDERATIONS

SEKISUI KYDEX, LLC 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 appLab™ department at 800.682.8758 for resources and Safety Data Sheets or visit our website: www.kydex.com.



Customer Collaboration

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PROPERTY	TEST METHOD	TYPICAL VALUE ¹	
PHYSICAL			
Specific Gravity	ASTM D792	1.12	
Density	ISO 1183	1.12 g/cm ³	0.040 lb/in ³
Water Absorption, equilibrium, 73°F	ISO 62	0.22%	
Rockwell Hardness, R-scale	ASTM D785	104	
MECHANICAL			
Tensile Strength	ASTM D638	42.7 MPa	6,190 psi
Tensile Modulus	ASTM D638	1992.6 MPa	289,000 psi
Flexural Modulus	ASTM D790	1965.0 MPa	285,000 psi
Flexural Stress at 5% Strain	ASTM D790	65.5 MPa	9,500 psi
Compressive Strength, yield	ASTM D695	53.0 MPa	7,690 psi
Shear Strength	ASTM D732	40.3 MPa	5,840 psi
Bearing Strength, 4% deflection	ASTM D953	25.2 MPa	3,660 psi
Bearing Strength, max.	ASTM D953	204.0 MPa	29,600 psi
Notched Izod Impact Resistance @ 23°C (73°F)	ASTM D256	438.8 J/m	8.22 ft-lbs/in
Notched Izod Impact Resistance @ -29°C (-20°F)	ASTM D256	152.1 J/m	2.85 ft-lbs/in
Gardner Drop Dart Impact, GE @ 23°C (73°F)	ASTM D5420	68.0 J	602 in-lb _f
Gardner Drop Dart Impact, GE @ -29°C (-20°F)	ASTM D5420	>72.3 J	>640 in-lb _f
THERMAL			
Heat Deflection Temperature (HDT) 264 psi (1.8 MPa), Annealed	ASTM D648	119°C	246.2°F
Heat Deflection Temperature (HDT) 66 psi (0.45 MPa), Annealed	ASTM D648	134°C	273.2°F
Coefficient of Thermal Expansion (TD)	ASTM E831	80.0 µm/m/°C	44.5 µin/in/°F
ELECTRICAL			
Dielectric Strength, oil	ASTM D149	>13.1 kV/mm	>333 V/mil
FLAMMABILITY²			
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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