

ALLEN® 2115HG

Co-extruded, Medium Impact ABS, High Gloss Sheet

INTRODUCTION

ALLEN® 2115HG is a general purpose ABS that has medium impact strength and a good cost to performance ratio.

GENERAL INFORMATION

ALLEN® 2115HG 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

- Covers and housings
- Vehicle Interiors
- Displays
- Signs

FEATURES

- Custom color matching
- Good forming properties
- Regrind compatible in future orders
- UV protective films available
- High gloss finish

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	1.08 g/cc	
Water Absorption, 24 hr	ASTM D570	0.27%	
Rockwell Harness, R-Scale	ASTM D785	101	
MECHANICAL			
Tensile Strength, yield	ASTM D638	35.3 MPa	5,120 psi
Tensile Modulus	ASTM D638	2020.2 MPa	293,000 psi
Flexural Stress at 5% Strain	ASTM D790	52.3 MPa	7,580 psi
Flexural Modulus	ASTM D790	2089.1 MPa	303,000 psi
Compressive Strength, yield	ASTM D695	52.0 MPa	7,540 psi
Shear Strength	ASTM D732	36.7 MPa	5,330 psi
Bearing Strength, 4% deflection	ASTM D953	24.8 MPa	3,590 psi
Bearing Strength, max.	ASTM D953	165.5 MPa	24,000 psi
Notched Izod Impact Resistance	ASTM D256	196.5 J/m	3.68 ft-lbs/in
Gardner Drop Dart Impact, GE	ASTM D5420	24.9 J	220 in-lb _f
THERMAL			
Heat Deflection Temperature (HDT) 264 psi (1.8 MPa), Unannealed	ASTM D648	102°C	215.5°F
Heat Deflection Temperature (HDT) 66 psi (0.45 MPa), Unannealed	ASTM D648	105°C	220.8°F
Coefficient of Thermal Expansion (MD)	ASTM E831	80.1 µm/m/°C	44.5 µin/in/°F
ELECTRICAL			
Dielectric Strength, oil	ASTM D149	18.4 kV/mm	467 V/mil
FLAMMABILITY			
Underwriters Laboratories., Inc ® Component Recognition	UL Standard 94 ²	HB @ 0.060in (1.52mm)	
Motor Vehicle Safety Standard	Component Recognition	Pass	
¹ Values based upon injection molded resin ² ALLEN® 2115HG has been tested under laboratory conditions and has passed UL 94HB criteria. SEKISUI KYDEX, LLC makes no warranty or guarantee that these products will meet UL 94HB in the part's final, finished configuration. Not intended for specification purposes.			



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