

ALLEN® 2120HG

High Impact ABS, Medium to High Gloss Sheet

INTRODUCTION

ALLEN® 2120HG is a general purpose ABS that has high impact strength and excellent forming properties.

GENERAL INFORMATION

ALLEN® 2120HG 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

- Medical equipment housings
- Food equipment trays and housings
- Display
- Signs

FEATURES

- Custom color matching
- Good forming and fabricating properties
- Regrind compatible in future orders
- FDA 21 CFR 181.32 compliant
- Medium to 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	1.02 - 1.05 g/cc	
Gloss, 60° angle	ASTM D523	80%	
MECHANICAL			
Tensile Strength, yield	ASTM D638	35.1 MPa	5,100 psi
Flexural Stress at 5% Strain	ASTM D790	77.9 MPa	11,300 psi
Flexural Modulus	ASTM D790	2,551.0 MPa	370,000 psi
Notched Izod Impact Resistance, 73°F	ASTM D256	427 J/m	8.0 ft-lbs/in
Notched Izod Impact Resistance, 0°F	ASTM D256	144 J/m	2.7 ft-lbs/in
THERMAL			
Heat Deflection Temperature (HDT) 66 psi (0.45 MPa), Unannealed	ASTM D648	90.6°C	195°F
Mold Shrinkage	ASTM D955	0.004 - 0.007 in/in	
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® 2120HG 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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