

ALLEN® 5160WHG

Co-Extruded, High Impact ASA/ABS, High Gloss Sheet

INTRODUCTION

ALLEN® 5160WHG is high impact ABS capped with ASA for UV protection and high gloss finish.

GENERAL INFORMATION

ALLEN® 5160WHG 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 Exteriors
- Marine Parts
- Radomes
- Agriculture Equipment Exteriors
- Construction Equipment Exteriors
- Lift Boom Exteriors

FEATURES

- Custom color matching
- Excellent UV properties
- Edge trim easily used into future orders
- High gloss finish
- Color and gloss retention

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 - 1.04 g/cc	
MECHANICAL			
Tensile Strength, yield	ASTM D638	34.4 MPa	5,000 psi
Flexural Strength	ASTM D790	55.8 MPa	8,100 psi
Flexural Modulus	ASTM D790	2,000 MPa	290,000 psi
Notched Izod Impact Resistance	ASTM D256	320 J/m	6.0 ft-lbs/in
Notched Izod Impact Resistance @ -30°C (-22°F)	ASTM D256	53 J/m	1.0 ft-lbs/in
THERMAL			
Heat Deflection Temperature (HDT) 264 psi (1.8 MPa), Unannealed	ASTM D648	79.4°C	175°F
Heat Deflection Temperature (HDT) 66 psi (0.45 MPa), Unannealed	ASTM D648	90.6°C	195°F
Mold Shrinkage	ASTM D955	0.005 - 0.007 in/in	
FLAMMABILITY²			
Underwriters Laboratories, Inc.® Component Recognition	UL Standard 94 ²	HB @ 1.52mm (0.060in)	
Motor Vehicle Safety Standard	FMVSS 302	Passes	
¹ Values based upon injection molded resin. ² ALLEN® 5160WHG 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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