

ALLEN® 2091MG

Medium Impact ABS, Medium Gloss Sheet

INTRODUCTION

ALLEN® 2091MG is a general purpose ABS with medium impact and a medium gloss finish.

GENERAL INFORMATION

ALLEN® 2091MG 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 & Housings
- Display
- Signs

FEATURES

- Custom color matching
- Good forming and fabricating properties
- Edge trim easily used into future orders
- Medium 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	1.05 g/cc	
Gloss, 60° Angle	ASTM D523	50 - 70%	
MECHANICAL			
Tensile Strength, yield	ASTM D638	35.8 MPa	5,200 psi
Flexural Stress at 5% Strain	ASTM D790	59.2 MPa	8,600 psi
Flexural Modulus	ASTM D790	1,999.4 MPa	290,000 psi
Notched Izod Impact Resistance, 73°F	ASTM D256	261 J/m	4.9 ft-lbs/in
Notched Izod Impact Resistance, 0°F	ASTM D256	128 J/m	2.4 ft-lbs/in
THERMAL			
Heat Deflection Temperature (HDT) 264 psi (1.8 MPa), Unannealed	ASTM D648	87.8°C	190°F
Heat Deflection Temperature (HDT) 66 psi (0.45 MPa), Unannealed	ASTM D648	93.4°C	200°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® 2091MG 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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