KYDEX THERMOPLASTICS

ALLEN® 2090MG

Co-extruded, Medium Impact ABS, Medium Gloss Sheet

INTRODUCTION

ALLEN® 2090MG is a general purpose ABS that has medium impact strength, a medium gloss finish and a good cost to performance ratio to other materials like painted metal, FRP, aluminum, and other thermoplastics..

GENERAL INFORMATION

ALLEN® 2090MG 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
- Office Furniture
- Displays
- Signs

FEATURES

- Custom color matching
- Good forming properties
- Edge trim easily used into future orders
- UV protective films available
- 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.

SEKISUI KYDEX

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PROPERTY	TEST METHOD	TYPICAL VALUE[1]	
PHYSICAL			
Specific Gravity	ASTM D792	1.06 g/cc	
Gloss, 60° Angle	ASTM D523	50 - 70%	
MECHANICAL			
Tensile Strength, yield	ASTM D638	28.8 MPa	4,170 psi
Flexural Stress at 5% Strain	ASTM D790	50.1 MPa	7,270 psi
Flexural Modulus	ASTM D790	2,027 MPa	294,000 psi
Notched Izod Impact Resistance, 73°F	ASTM D256	146 J/m	2.74 ft-lbs/in
Notched Izod Impact Resistance, 0°F	ASTM D256	79 J/m	1.49 ft-lbs/in
THERMAL			
Heat Deflection Temperature (HDT) 66 psi (0.45 MPa), Unannealed	ASTM D648	96.5°C	205.7°F
Mold Shrinkage	ASTM D955	0.005 - 0.007 in/in	
FLAMMABILITY			
Motor Vehicle Safety Standard	Component Recognition	Pass	

1 Values based upon injection molded resin
Not intended for specification purposes.

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