

ALLEN® 2090MG

Co-extruded, Medium Impact ABS, Medium Gloss Sheet

Introduction

ALLEN® 2090MG is a general purpose ABS that has medium impact strength 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 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 and Safety Considerations

SEKISUI SPI 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 Technical Service department at 800.682.8758 for resources or visit our website: <http://www.sekisui-spi.com>. For Safety Data Sheets, please call 800.325.3133.

SEKISUI SPI

Customer Service

1305 Lincoln Ave. Holland MI 49423 USA
Phone: 800.823.1305
Outside the US: +1.616.394.3808
Fax: 800.832.5536, +1.616.394.3875
Email: info@sekisui-spi.com

Technical Service

Phone: 800.682.8758
Fax: +1.570.387.8722
Outside the US: +1.570.387.6997
techservice@sekisui-spi.com

sekisui-spi.com

ALLEN® 2090MG Co-extruded, Medium Impact ABS, Medium Gloss Sheet

Physical Properties

Property	Test Method	Typical Value ¹	
PHYSICAL			
Specific Gravity	ASTM D792	1.06g/cc	
Gloss, 60° Angle	ASTM D523	50-70%	
MECHANICAL			
Tensile Strength	ASTM D638	4,170 psi	28.8 MPa
Flexural Modulus	ASTM D790	294,000 psi	2,027 MPa
Flexural Strength	ASTM D790	7,270 psi	50.1 MPa
Notch Izod Impact, 73°F	ASTM D256	2.74 ft-lb/in	146 J/m
Notch Izod Impact, -20°F	ASTM D256	1.49 ft-lb/in	79 J/m
THERMAL			
Heat Deflection Temperature (HDT) 66 psi (0.45 MPa), unannealed	ASTM D648	205.7°F	96.5°C
Mold Shrinkage	ASTM D955	0.005-0.007 in/in	
FLAMABILITY			
Motor Vehicle Safety Standard	Component Recognition	Passes	
¹ Values based upon injection molded resin Not intended for specification purposes.			

SEKISUI SPI

Customer Service
 1305 Lincoln Ave. Holland MI 49423 USA
 Phone: 800.823.1305
 Outside the US: +1.616.394.3808
 Fax: 800.832.5536, +1.616.394.3875
 Email: info@sekisui-spi.com

Technical Service
 Phone: 800.682.8758
 Fax: +1.570.387.8722
 Outside the US: +1.570.387.6997
 techservice@sekisui-spi.com

sekisui-spi.com

Because we cannot anticipate or control the many different conditions under which this information and our products may be used, we do not guarantee the applicability of the accuracy of this information or the suitability of our products in any given situation. Users should conduct their own tests to determine the suitability of each product for their particular purposes. Data in the physical property table represents typical values and are to serve only as a guide for engineering design. Results are obtained from specimens under ideal laboratory conditions. Right to change physical properties as a result of technical progress is reserved. THE PRODUCTS DISCUSSED ARE SOLD WITHOUT WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE, EITHER EXPRESSED OR IMPLIED, EXCEPT AS PROVIDED IN OUR STANDARD TERMS AND CONDITIONS OF SALE. Buyer assumes all responsibility for loss or damage arising from the handling and use of our products, whether done in accordance with directions or not. In no event shall the supplier or the manufacturer be liable for incidental or consequential damages. Also, statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patent. Consult local code and regulatory agencies for specific requirements regarding code compliance, transporting, processing, recycling and disposal of our product. Product not intended for use as a heat resistant surface. Texture, product grade and other conditions may cause variations in appearance.

This information supersedes all previously published data.