

ALLEN® 6225HG

Acrylic Capped, Medium Impact ABS, High Gloss Sheet

Introduction

ALLEN® 6225HG is acrylic capped ABS with excellent surface hardness, UV protection, and distinction of image.

General Information

ALLEN® 6225HG 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

- Tub and Shower Surrounds
- Sinks
- Kayaks
- Agriculture Equipment
- Marine parts

Features

- Custom color matching
- UV protection
- Hard surface
- High 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

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Physical Properties

| Property | Test Method | Typical Value ¹ | |
|--|-----------------------------|----------------------------|-------------|
| PHYSICAL | | | |
| Specific Gravity | ASTM D792 | 1.02 - 1.05 g/cc | |
| MECHANICAL | | | |
| Tensile Strength | ASTM D638 | 5,100 psi | 35.1 MPa |
| Flexural Modulus | ASTM D790 | 370,000 psi | 2,551.0 MPa |
| Flexural Strength | ASTM D790 | 11,300 psi | 77.9 MPa |
| Notched Izod Impact, 23 °C (73 °F) | ASTM D256 | 8.0 ft-lb/in | 427 J/m |
| Notched Izod Impact, -17 °C (0 °F) | ASTM D256 | 2.7 ft-lb/in | 144 J/m |
| THERMAL | | | |
| Heat Deflection Temperature (HDT) 66 psi (0.45 MPa), unannealed | ASTM D648 | 195 °F | 90.6 °C |
| Mold Shrinkage | ASTM D955 | 0.004-0.007 in/in | |
| FLAMMABILITY | | | |
| Underwriters Laboratories, Inc. [®] Component Recognition | UL Standard 94 ² | HB @ 0.060 in (1.52mm) | |
| Motor Vehicle Safety Standard | FMVSS 302 | PASSES | |
| ¹ Values based upon injection molded resin. ² ALLEN® 6225HG has been tested under laboratory conditions and has passed UL 94HB criteria. SEKISUI SPI makes no warranty or guarantee that these products will meet UL 94HB in the parts final, finished configuration. Not intended for specification purposes. | | | |

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This information supersedes all previously published data.