

ALLEN® 4150F

FDA grade, medium impact ABS, high gloss sheet

INTRODUCTION

ALLEN® 4150F is a general purpose ABS with medium impact and a high gloss finish.

GENERAL INFORMATION

ALLEN® 4150F 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) and US Food And Drug Administration 21 CFR 181.32 (Acrylonitrile copolymers and resins).

SUGGESTED APPLICATIONS

- Covers for food processing equipment
- Splash zone guards
- Deli risers

FEATURES

- Custom color matching
- Good forming properties
- FDA 21 CFR 181.32 compliant
- High 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

1305 Lincoln Ave. Holland MI 49423 USA
Phone: 800.823.1305, +1.616.694.3808
Email: info@kydex.com

appLab™

Phone: 800.682.8758
Email: applab@kydex.com

kydex.com

ALLEN® 4150F

FDA grade, medium impact ABS, high gloss sheet

| Property | Test Method | Typical Value ¹ | |
|---|-----------------------------|----------------------------|-----------|
| PHYSICAL | | | |
| Specific Gravity | ASTM D792 | 1.05 | |
| Gloss, 60° Angle | ASTM D523 | 80% | |
| MECHANICAL | | | |
| Tensile Strength | ASTM D638 | 5,200 psi | 35.8 MPa |
| Flexural Modulus | ASTM D790 | 290,000 psi | 1,999 MPa |
| Flexural Strength | ASTM D790 | 8,600 psi | 59.2 MPa |
| Notched Izod Impact, 23 °C (73 °F) | ASTM D256 | 4.9 ft-lb/in | 261 J/m |
| Notched Izod Impact, -17 °C (0 °F) | ASTM D256 | 2.4 ft-lb/in | 128 J/m |
| THERMAL | | | |
| Heat Deflection Temperature (HDT) @66 psi (.45 MPa), unannealed | ASTM D648 | 200 °F | 93.3 °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 | PASS | |
| ¹ Values based upon injection molded resin. ² ALLEN® 4100F 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. | | | |



Customer Collaboration

1305 Lincoln Ave. Holland MI 49423 USA
 Phone: 800.823.1305, +1.616.694.3808
 Email: info@kydex.com

appLab™

Phone: 800.682.8758
 Email: applab@kydex.com

kydex.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.