

ALLEN® 2015L

Co-extruded, High Impact ABS, Low Gel, Medium Gloss Sheet

INTRODUCTION

ALLEN® 2015L is a general purpose ABS that has high impact strength and a good cost to performance ratio to other materials like painted metal, FRP, aluminum, and other thermoplastics.

GENERAL INFORMATION

ALLEN® 2015L is low gel formulation for superior smooth surface and 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

- Marine products
- Recreational Vehicles
- Agricultural cab interiors
- Truck interiors
- Equipment covers
- P.O.P Displays
- Film laminations

FEATURES

- Ease of processing
- Regrind compatible in future orders
- Medium gloss finish

ENVIRONMENTAL & SAFETY CONSIDERATIONS

SEKISUI KYDEX 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 | 1.06 | |
| Water Absorption, 24hr | ASTM D570 | 0.34 % | |
| Rockwell Hardness, R-Scale | ASTM D785 | 99 | |
| MECHANICAL | | | |
| Tensile Strength | ASTM D638 | 5,950 psi | 41.0 MPa |
| Tensile Modulus | ASTM D638 | 287,000 psi | 1,978.8 MPa |
| Flexural Modulus | ASTM D790 | 289,000 psi | 1,993 MPa |
| Flexural Stress at 5% Strain | ASTM D790 | 9,390 psi | 64.7 MPa |
| Compressive Strength, yield | ASTM D695 | 7,210 psi | 49.7 MPa |
| Shear Strength | ASTM D732 | 5,400 psi | 37.2 MPa |
| Bearing Strength, 4% deflection | ASTM D953 | 3,030 psi | 20.9 MPa |
| Bearing Strength, max. | ASTM D953 | 26,500 psi | 182.7 MPa |
| Notched Izod Impact Resistance | ASTM D256 | 3.78 ft-lbs/in | 201.9 J/m |
| Gardner Drop Dart Impact, GE | ASTM D5420 | 213 in-lbf | 24.1 J |
| THERMAL | | | |
| Heat Deflection Temperature (HDT) @264 psi (1.8 MPa), unannealed | ASTM D648 | 175 °F | 79.4 °C |
| Heat Deflection Temperature (HDT) @66 psi (0.45 MPa), unannealed | ASTM D648 | 195 °F | 90.6 °C |
| Coefficient of Thermal Expansion (MD) | ASTM E831 | 54.2 µin/in/°F | 97.5 µm/m/°C |
| ELECTRICAL | | | |
| Dielectric Strength, oil | ASTM D149 | 497 V/mil | 19.6 kV/mm |
| FLAMMABILITY | | | |
| Underwriters Laboratories, Inc.* Component Recognition | UL Standard 94 HB ² | HB @ 0.060 in (1.52mm) | |
| Motor Vehicle Safety Standard | FMVSS 302 | PASS | |
| ¹ Values based upon 0.125" (3.17mm) sheet unless otherwise specified. ² ALLEN® 2015L 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 part's final, finished configuration. Not intended for specification purposes. | | | |



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