

ALLEN® 5300WST

Co-extruded, High Impact ABS, Soft Touch Sheet

INTRODUCTION

ALLEN® 5300WST is a co-extruded sheet consisting of a soft-touch, low gloss ASA cap over a high impact ABS substrate. It is designed to provide a sheet with high impact resistance with a tactile, non-slip surface.

GENERAL INFORMATION

ALLEN® 5300WST meets the requirements of Federal Motor Vehicle Safety Standard No. 302 (FMVSS 302) at 0.060" (1.52mm).

SUGGESTED APPLICATIONS

- Truck interiors
- Recreational vehicles
- Agricultural cab interiors
- Dashes/Consoles
- Shrouds

FEATURES

- Custom color matching
- Ease of processing
- Regrind compatible in future orders
- Matte gloss finish
- High impact resistance
- Slip resistance

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

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PROPERTY	TEST METHOD	TYPICAL VALUE ¹	
PHYSICAL			
Specific Gravity (Density)	ASTM D792	1.05 (1.05 g/cm³)	
Moisture Absorption, 24 hr	ASTM D570	0.50%	
Rockwell Hardness, R-Scale	ASTM D785	70	
Gloss (60°)	ASTM D2457	10 ²	
MECHANICAL			
Tensile Strength, yield	ASTM D638	36.9 MPa	5,350 psi
Tensile Modulus	ASTM D638	1,875.4 MPa	272,000 psi
Flexural Stress at 5% Strain	ASTM D790	49.6 MPa	7,200 psi
Flexural Modulus	ASTM D790	1,578.9 MPa	229,000 psi
Compressive Strength, yield	ASTM D695	50.6 MPa	5,110 psi
Shear Strength	ASTM D732	37.4 MPa	4,970 psi
Bearing Strength, 4% deflection	ASTM D953	20.3 MPa	1,760 psi
Bearing Strength, max.	ASTM D953	171.7 MPa	17,200 psi
Notched Izod Impact Resistance	ASTM D256	320 J/m	6.0 ft-lbs/in
Gardner Drop Dart Impact	ASTM D5420	35.6 J/m	316 in-lbs _i
THERMAL			
Heat Deflection Temperature (HDT) 264 psi (1.8 MPa), Unannealed	ASTM D648	80.5°C	177°F
Heat Deflection Temperature (HDT) 66 psi (0.45 MPa), Unannealed	ASTM D648	94.0°C	201°F
Coefficient of Thermal Expansion (MD)	ASTM E831	89.9 µm/m/°C	49.9 µin/in/°F
ELECTRICAL			
Dielectric Strength, oil	ASTM D149	18.7 kV/mm	475 V/mil
FLAMMABILITY			
Motor Vehicle Safety Standard ³	FMVSS 302	Pass	
¹ Values based upon 0.125" (3.17mm) sheet unless otherwise specified.. ² Value will vary depending on sheet texture. Stated value will represent upper limit on a smooth surface. ³ 0.060" (1.52mm) and above Not intended for specification purposes.			



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