

ALLEN® 5025WMT

Co-extruded, High Impact ASA/ABS, Low Gloss Sheet

INTRODUCTION

ALLEN® 5025WMT is high impact ABS capped with ASA for UV protection and low gloss finish.

GENERAL INFORMATION

ALLEN® 5025WMT 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

- Vehicle Exteriors
- Marine Parts
- Radomes
- Agriculture Equipment Exteriors
- Construction Equipment Exteriors
- Lift Boom Exteriors

FEATURES

- Custom color matching
- Excellent UV properties
- Edge trim easily used into future orders
- Low gloss finish
- Color and gloss retention

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	ASTM D792	1.03	
Density	ASTM D792	1.03 g/cm ³	0.037 lb/in ³
Water Absorption, equilibrium, 73°F	ASTM D570	0.27%	
Rockwell Hardness, R-scale	ASTM D785	93	
MECHANICAL			
Tensile Strength, yield	ASTM D638	42 MPa	6,090 psi
Tensile Modulus	ASTM D638	1910 MPa	277,000 psi
Flexural Stress at 5% Strain	ASTM D790	63.4 MPa	9,190 psi
Flexural Modulus	ASTM D790	1,986 MPa	288,000 psi
Compressive Strength, yield	ASTM D695	6,890 psi	47.5 MPa
Shear Strength	ASTM D732	5,690 psi	39.2 MPa
Bearing Strength, 4% deflection	ASTM D953	2,940 psi	20.3 MPa
Bearing Strength, max.	ASTM D953	25,700 psi	177.2 MPa
Notched Izod Impact Resistance	ASTM D256	5.3 ft-lbs/in	283.5 J/m
Notched Izod Impact Resistance @ -20°F (-29°C)	ASTM D256	3.1 ft-lbs/in	165.5 J/m
Gardner Drop Dart Impact, GE	ASTM D5420	408 in-lb _f	46.1 J
Gardner Drop Dart Impact, GE @ -20°F (-29°C)	ASTM D5420	219 in-lb _f	24.7 J
THERMAL			
Heat Deflection Temperature (HDT) 264 psi (1.8 MPa), Annealed	ASTM D648	195.8°F	91.0°C
Heat Deflection Temperature (HDT) 66 psi (0.45 MPa), Annealed	ASTM D648	205.2°F	96.2°C
Coefficient of Thermal Expansion (TD)	ASTM E831	54.3 µin/in/°F	97.7 µm/m/°C
ELECTRICAL			
Dielectric Strength, oil	ASTM D149	517 V/mil	20.4 kV/mm
FLAMMABILITY²			
Underwriters Laboratories, Inc® Component Recognition	UL Standard 94 ²	HB @ 1.52mm (0.060 in)	
Motor Vehicle Safety Standard	FMVSS 302	Passes	
¹ Values based upon 0.125" (3.17mm) sheet unless otherwise specified. ² ALLEN® 5025WMT has been tested under laboratory conditions and has passed UL 94HB criteria. SEKISUI KYDEX, LLC 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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