

ALLEN® 5075WMGT

Monolayer, High Impact ASA, Medium Gloss Weatherable Sheet

INTRODUCTION

ALLEN® 5075WMGT is high impact medium gloss ASA for UV protection.

GENERAL INFORMATION

ALLEN® 5075WMGT 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

- Heavy equipment exterior and interior applications
- Agricultural equipment exterior and interior applications
- Heavy truck exterior and interior applications
- Marine exterior applications
- Radomes & cell tower antennas
- Outdoor housings & machinery covers

FEATURES

- Custom color matching
- Excellent UV properties
- Edge trim easily used in future orders
- Medium gloss finish, high impact

ENVIRONMENTAL & 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 appLab™ department at 800.682.8758 for resources and Safety Data Sheets or visit our website: <http://www.sekisui-spi.com>.



Customer Collaboration

6685 Low St, Bloomsburg, PA 17815 USA

Phone: 800.325.3133, +1.570.389.5810

Email: info@sekisui-spi.com

appLab™

Phone: 800.682.8758

Email: applab@sekisui-spi.com

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PHYSICAL PROPERTIES

Property	Test Method	Typical Value ¹	
PHYSICAL			
Specific Gravity	ISO 1183	1.07	
Water Absorption, 24 hr	ISO 62	0.45 %	
MECHANICAL			
Tensile Strength	ISO 527	6,092 psi	42 MPa
Tensile Modulus	ISO 527	290,076 psi	2,000 MPa
Flexural Strength	ISO 178	8,702 psi	60 MPa
Charpy Notched Impact Strength, 23°C	ISO 179	19.0 ft-lb/in ²	40 kJ/m ²
Charpy Notched Impact Strength, -30°C	ISO 179	4.28 ft-lb/in ²	9 kJ/m ²
Notched Izod Impact Resistance	ASTM D256	11.2 ft-lb/in	600 J/m
THERMAL			
Heat Deflection Temperature (HDT) @264 psi (1.8 MPa), unannealed	ISO 75-1/-2	203°F	95°C
Heat Deflection Temperature (HDT) @66 psi (0.45 MPa), unannealed	ISO 75-1/-2	212°F	100°C
Coefficient of Thermal Expansion (MD), Longitudinal, @ 23 - 80°C (73.4 - 176°F)	ISO 11359-1/-2	44 - 61 µin/in/°F	80 - 110 µm/m/°C
FLAMMABILITY²			
Underwriters Laboratories, Inc.® Component Recognition	UL Standard 94 ²	HB @ 0.060 in (1.52mm)	
¹ Values based upon 3.18mm (0.125") sheet unless otherwise specified. ² All thicknesses Not intended for specification purposes.			



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This information supersedes all previously published data.