

ALLEN® 5075WMGT Monolayer, High Impact ASA/ABS, Medium Gloss Sheet

Introduction

ALLEN® 5075WMGT is high impact ABS capped with 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 and 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 Technical Service department at 800.682.8758 for resources or visit our website: <http://www.sekisui-spi.com>. For Safety Data Sheets, please call 800.325.3133.

SEKISUI SPI

Customer Service

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Physical Properties

Property	Test Method	Typical Value ¹	
PHYSICAL			
Specific Gravity	ISO 1183	1.07	
Water Absorption, 24hr	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	ISO 179	19.0 ft-lb/in ²	40 kJ/m ²
Charpy Notched Impact Strength @ -30°C (-22°F)	ISO 179	85.7 ft-lb/in ²	180 kJ/m ²
Notched Izod Impact Resistance	ASTM D256	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
FLAMMABILITY			
Underwriters Laboratories, Inc. [®] Component Recognition	UL Standard 94 ²	HB @ 0.063 in (1.60mm)	
¹ Values based upon injection molded samples. ² ALLEN® 5075WMGT 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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This information supersedes all previously published data.