

ALLEN® 5200WHG High Gloss ASA, Very High Impact PC/ABS

Introduction

ALLEN® 5200WHG sheet has an excellent weatherable performance and property retention with high impact strength, high heat deflection and stiffness.

General Information

ALLEN® 5200WHG is Underwriters Laboratories, Inc® recognized for UL Std 94 HB (UL94) and Federal Motor Vehicle Safety Standard No. 302 (FMVSS 302).

Suggested Applications

- Engine Covers
- Heavy Truck
- Recreational Vehicles
- Bus/Van
- Auto After-Market
- Agriculture/Construction Equipment

Features

- Wide range of colors
- Excellent physical property retention
- Good low temperature impact
- High heat deflection temperature
- Improved performance over ABS
- Higher modulus (Increased stiffness)

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

ISO 9001:2008 and 14001:2004 Certified

Customer Service

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Physical Properties

Property	Test Method	Typical Value ¹	
PHYSICAL			
Specific Gravity	ASTM D792	1.11 g/cc	
MECHANICAL			
Tensile Modulus	ASTM D638	340,000 psi	2,344 MPa
Tensile Strength	ASTM D638	6,800 psi	46.9 MPa
Flexural Modulus	ASTM D790	296,000 psi	2,041 MPa
Flexural Strength	ASTM D790	10,600 psi	73.1 MPa
Notch Izod Impact, 73 °F	ASTM D256	7.2 ft-lb/in	384 J/m
Gardner Drop Dart Impact, GE	ASTM D-5420	355 in-lbf	40.1 J
THERMAL			
Heat Deflection Temperature (HDT) 264 psi (1.8 MPa), annealed	ASTM D648	235.2 °F	112.9 °C
Mold Shrinkage	ASTM D955	0.004-0.007 in/in	
FLAMABILITY			
Underwriters Laboratories, Inc. [®] Component Recognition	UL Standard 94 HB	0.060 in	
Motor Vehicle Safety Standard	FMVSS 302	PASSES	
¹ Values based upon injection molded resin. Not intended for specification purposes.			

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This information supersedes all previously published data.