

# AMGARD acrylic sheet

## AMGARD

AMGARD clear acrylic sheet is formulated with a silver ion antimicrobial technology that protects the sheet surface from microorganism growth and remains active for the entire life of the product. When used as protective barriers, AMGARD acrylic sheet provides a clear solid partition between individuals. It is easy to fabricate and form for a wide range of interior applications.

- » Inhibits microbe surface degradation
- » Independent laboratory tested
- » Half the weight of glass
- » Does not shatter into sharp-edged pieces like glass
- » Easy to fabricate & clean

Available in various sheet sizes to maximize yield

## APPLICATIONS

Protective barriers, office partitions, safety enclosures, equipment housings

AMGARD is formulated with silver ion antimicrobial technology to protect the sheet's surface. It is not designed to prevent the transmission of any disease or infectious agent.

## Typical Properties

Property	Test Method	Units	Values
<b>PHYSICAL</b>			
Specific Gravity	ASTM D792	-	1.19
Light Transmission, Clear @ 0.118"	ASTM D1003	%	92
Water Absorption	ASTM D570	%	0.4
<b>MECHANICAL</b>			
Tensile Strength	ASTM D638	psi	11,030
Tensile Modulus of Elasticity	ASTM D638	psi	490,000
Flexural Strength	ASTM D790	psi	17,000
Izod Impact Strength	ASTM D256	Ft-lb./in	0.4
Rockwell Hardness	ASTM D785		M-95
<b>THERMAL</b>			
Maximum Recommended Continuous Service Temperature	-	°F	170-190
Deflection Temperature @ 264 psi (1.8 MPa)	ASTM D648	°F	203
Coefficient of Linear Thermal Expansion	ASTM D696	in/in/°F	3.0 x 10 <sup>-5</sup>
Flammability (Burning Rate)	ASTM D635	In/min	1.0
Flammability	UL 94	-	HB
Smoke Density Rating	ASTM D2843	%	3.4
Self-Ignition Temperature	ASTM D1929	°F	833

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These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use are beyond our control. We recommend that the prospective user determines the suitability of our materials and suggestions before adopting them on a commercial scale.

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