**LEVEL 2**

**HP 1.25**

For thin, light, crystal-clear protection against high-power handguns, it’s tough to beat HP 1.25. It protects against handguns such as the .357 magnum and others with a muzzle energy of 548 to 663 foot-pounds. Polycast SAR Super Abrasion-Resistant coating is standard.

Polycast is recognized the world over for its commitment to customer service and technical assistance. Please feel free to contact ***Protective Structures, Ltd.*** at any stage, from design and specification to fabrication, installation and care. For assistance, please call

1-888-521-8666.

Protection Thickness Weight\*

.357 magnum 1.378 8.5

Optical Properties Polycast SAR™ Sizes

Transmission: >90% Super Abrasion-Resistant Coating 4’ x 6’

Haze <1% Standard 4’x 8’

 5’ x 6’

U.L. Designation 5’ x 8’

752, Level 2 6’ x 6’

 6’ x 8’

\*pounds per square foot 6’ x 10’

also available in 1.750” uncoated.



**TYPICAL PROPERTIES OF**

**POLYCAST® SAR™ HP 1.25**

**(UL LEVEL 2)**

Code ratings and Standards:

 Meets the test requirements of Building Code class CC2,

 ANS, Z97.1-Safety Glazing Material,

 ANS, Z26.1-Motor Vehicle Safety Glazing Material,

 Dade County Approval, Federal Specification L-P-391D+ ASTM D 4802.

Maximum Continuous Service Temperature:

 170° F

Minimum Continuous Service Temperature:

 -26° F (lowest temperature tested for bullet-resistance)

 Value Test Method

Ballistic Protection .357 Magnum UL 752

Optical Properties

Light Transmission >90% ASTM D1003

Haze <1.0% ASTM D1003

Yellowness Index <0.7% ASTM D1925

Mechanical Properties

Thickness 1.378in.

Weight 8.5 #/sq.ft.

Abrasion Resistance 0.2 to 2.0 (% haze change) Taber 100 cycles

Tensile Strength 9500 psi ASTM D638

Tensile Modulus 400,000 psi ASTM D638

Flex Modulus 400,000 psi ASTM D790

Flammability

Burn Rate 1.2in./min ASTM D635

Smoke Density Max: 8%; Rating: 5% ASTM D2843

Auto Ignition Temperature 465° C (870° F) ASTM D1921