

**LEVEL 3**

**SP 1.25**

Polycast also offers ballistic protection and superior optical clarity against virtually all handguns, including those of super power, such as the .44 magnum. An abrasion-resistant coating is standard and the sparkling clarity after machining and polishing outshines all products in its class. Our unique design for Polycast SP 1.25 has proven to have ballistic protective capability which exceeds the criteria set forth in U.L. Level 3 requirements. If your specifications require protection from high caliber and velocity, please feel free to contact ***Protective Structures, Ltd.***

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\*

.44 magnum 1.25” 7.7

Optical Properties Abrasion–Resistant Coating Sizes

Transmission: >85% Standard 4’ x 6’

Haze <1.5% 4’x 8’

 5’ x 6’

U.L. Designation 5’ x 8’

752, Level 3

\*pounds per square foot

Patent Pending



**TYPICAL PROPERTIES OF**

**POLYCAST® SAR™ SP 1.25**

**(UL LEVEL 3)**

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 .44 Magnum UL 752

Optical Properties

Light Transmission >85% ASTM D1003

Haze <1.5% ASTM D1003

Yellowness Index <1.0% ASTM D1925

Mechanical Properties

Thickness 1.250in.

Weight 7.7 #/sq.ft.

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

Tensile Strength 9400 psi ASTM D638

Tensile Modulus 400,000 psi ASTM D638

Flex Modulus 400,000 psi ASTM D790

Flammability

Burn Rate .23in./min ASTM D635

Smoke Density Max: 65%; Rating: 49% ASTM D2843

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