

# LEVEL #3: SP 1.25 ACRYLIC SHEET



## FEATURES

### Protection

.44 Magnum

### Optical Properties

Transmission: >85%

Haze <.51%

### U.L. Designation

752, Level 3

### Thickness

1.25

### Polycast® SAR™ Super Abrasion-Resistant Coating

Standard

### Weight (lbs/sq foot)

7.7

### Sizes

4' x 6'

4' x 8'

5' x 6'

5' x 8'

## PRODUCT DESCRIPTION

Polycast® also offers ballistics 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 it's 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.

Offering innovative solutions for bullet, blast, impact and wind resistance.

## 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)

<b>Ballistic Protection</b>	.44 Magnum	UL 752
<b>Optical Properties</b>		
Light Transmission	>85%	ASTM D1003
Haze	<1.5%	ASTM D1003
Yellowness Index	<1.0%	ASTM D1925
<b>Mechanical Properties</b>		
Thickness	1.250 in.	
Weight	7.7 #/sq.ft.	
Abrasion Resistance (coated)	0.2 to 2.0 (% haze change)	Taber 100 cycles
Tensile Strength	9,400 psi	ASTM D638
Tensile Modulus	400,000 psi	ASTM D638
Flex Modulus	400,000 psi	ASTM D790
<b>Flammability</b>		
Burn Rate	.23 in./min	ASTM D635
Smoke Density	Max: 65%; Rating: 49%	ASTM D2843
Auto Ignition Temperature	465° C (870° F)	ASTM D1921

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