

LEVEL #3: SP 1.25 ACRYLIC SHEET



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)

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.

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	1.250 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
Flammability		
Burn Rate	.23 in./min	ASTM D635
Smoke Density	Max: 65%; Rating: 49%	ASTM D2843
Auto Ignition Temperature	465° C (870° F)	ASTM D1921

Polycast® and SAR™ are either registered trademarks or trademarks of Spartech Polycast.

Unless otherwise agreed to in a document signed by both parties, any sale of products by Insulgard™ Security Products ("Insulgard") is made exclusively under Insulgard's Standard Terms and Conditions of Sale, which are available at www.insulgard.com. Insulgard makes no warranty, express or implied, with respect to customer's application outside of the Insulgard Limited Warranty. Nothing in this or any other document, nor any oral recommendation or advice, shall be deemed to alter, vary, supersede, or waive any provision of Insulgard's Standard Terms Conditions of Sale, the Insulgard Limited Warranty, or this disclaimer, unless any such modification is specifically agreed to in a writing signed by Insulgard. No statement contained herein concerning a possible or suggested use of any material, product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right of SABIC Innovative Plastics US LLC or any of its subsidiaries or affiliates covering such use or design, or as a recommendation for the use of such material, product, service or design in the infringement of any patent or other intellectual property right.

Insulgard™ is a trademark of SABIC Innovative Plastics IP B.V.

Insulgard™
SECURITY PRODUCTS

www.insulgard.com

Phone: (800) 624-6315