

LEVEL #6

SMG 1.25

Polycast also offers ballistics protection and superior optical clarity against multiple shots from a submachine gun, such as a 9mm Uzi. 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 SMG 1.25 has proven to have ballistic protective capability which exceeds the criteria set forth in U.L. Level 6 requirements. If your specifications require protection from higher caliber and velocity, please feel free to contact Polycast.

Polycast is recognized the world over for its commitment to customer service and technical assistance. Please feel free to contact Polycast at any stage, from design and specification to fabrication, installation and care. For assistance, please call 1-800-243-9002.



Protection Submachine-gun / Uzi	Thickness 1.25"	Weight* 7.7
Optical Properties Transmission: >85% Haze <1.5%	Polycast SAR™ Super Abrasion-Resistant Coating Standard	Sizes 4' x 6' 4' x 8'
U.L. Designation 752, Level 6		

*pounds per square foot
Patent Pending

TYPICAL PROPERTIES OF POLYCAST® SAR™ SMG 1.25 (UL LEVEL 6)

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	Submachine-gun / Uzi	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 (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	.23in./min	ASTM D635
Smoke Density	Max: 65%; Rating: 49%	ASTM D2843
Auto Ignition Temperature	465° C (870° F)	ASTM D1921



Spartech Polycast
Cell Cast Acrylic

70 Carlisle Place
Stamford, CT 06902
1-800-243-9002
203-327-6010



ISO 9001:2000
FM 76298