

GlasticShield™ Grade 1717

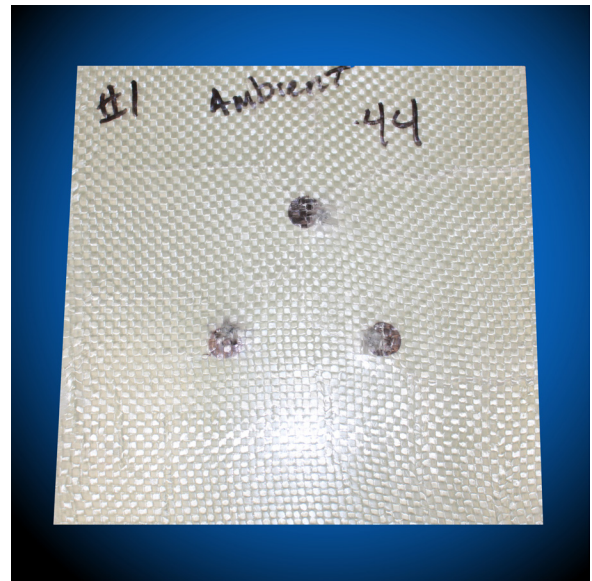
Anti-Ballistic Sheet - UL LEVEL 3

- Bullet Resistant Material
- UL® Recognized
- UL-752 Level 3 Outdoor Rating
- UL-94 V0 Flame Rating
- Lightweight
- Military and Commercial Applications

GlasticShield™ is a thin and lightweight composite panel that has been recognized by Underwriters Laboratory to meet their UL-752 Level 3 specifications for bullet resisting plastics.

GlasticShield™ has been rated to stop 240 grain (15.6g) .44 magnum lead semi-wadcutter gas checked, minimum velocity 1350 fps (411mps) ammunition in a variety of conditions and shot patterns at short range.

GlasticShield™ is designed to provide protection from bullets and other projectiles. GlasticShield™ can be used in a variety of applications where personal and property protection is required or desired.



GlasticShield™ Applications

- Government Buildings
- Drive-up Bank Tellers
- ATM's
- Guard Houses
- Safe Rooms
- Vehicle Armor
- Schools/Classrooms
- Window Shutters/ Storm Shelters
- Convenience Stores
- Gas Stations
- Courtrooms
- Toll Booths
- Others

GlasticShield™ is Lighter and Thinner as Compared to the Competition

	GlasticShield™	Competitor's Range	GlasticShield™ Advantage
Weight, (lb/Sqft)	4.8	5 - 5.4	5% - 17% Lighter
Thickness, (in)	0.45	0.46 - 0.51	2% - 13% Thinner

As compared to competitions' UL-752 Level 3 products

Our ability to both press and pultrude provides the customer with versatility to design various shapes and sizes to fill a variety of needs.





GlasticShield™ Grade 1717

	UNIT	ASTM/UL Number	GlasticShield™
General Information			
Part Number			1717
Standard Color			Off White
Thickness	in. (mm)		0.460 (11.7)
Mechanical Properties			
Tensile Strength, LW @ 25°C	Psi	D638	45,000
Tensile Strength, CW @ 25°C	Psi	D638	40,000
Tensile Modulus, CW @ 25°C	Psi x 10 ⁻⁶	D638	7.5 x 10 ⁶
Flexural Strength, LW @ 25°C	Psi	D638	16,800
Flexural Modulus, LW @ 25°C	Psi	D638	2.7 x 10 ⁶
Compressive Strength @ 77°F	Psi	D695	70,000
IZOD Impact Strength (notched)	ft. lb./in.	D256	52
Physical Properties			
Water Absorption	% by wt.	D570	<1.4
Specific Gravity	–	D792	2.0
Weight per Sqft.	lbs.		4.8
Barcol Hardness		D2583	50
Flame Resistance Properties			
UL Subject 94	–	UL94	VO
Thermal Properties			
Coefficient of Thermal Expansion	In/In/°C x 10 ⁻⁵	D696	2.0
Thermal Conductivity	BTU/HR/Ft ² /In/°F	C177	2.0
UL Recognition File Number	–	–	BP10588

LW = Lengthwise, CW = Crosswise



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