

Shatter Safe® Security Window Films Bullet Resistance Chart

Below are the threat level ballistics standards that our films tests to:

Treat Level	Weapon / Caliber	Bullet / Grains	Velocity / fps
0	Pellet Rifle	Air Compressed	650
1	.22 Caliber / .38 Special	40 to 158 grains	1050/850
2	9mm	124	1100
3	.45 / .44 Magnum	240	1350
4	7.62 x 51 mm (Nato)	147	2725
5	.30-06	164	2725

Treat Level Passed	Film Thickness	Glass Thickness Annealed Glass	Comments
0	(Treated both sides) 2mil, 4mil, 7mil, One or two sides	1/4"	No Breakage, No Penetration. 8 consecutive shots. Also simulates pebbles thrown up on auto / truck wind-shields
0	12 mil One side	1/4"	Can degrade the shot of a small .22 to .25 caliber to non lethal status with penetration
0	12 mil, 12mil 3 ply Two sides	1/4"	Can repel the shot of a small .22 to .25 caliber
1	12 mil, 12mil 3 ply One side	3/8"	Can repel the shot of a .38 special. Can degrade the shot of a .44 caliber to non Lethal status.
2	12 mil, 12mil 3 ply One side	1/2 "	Can degrade the shot of a .45 caliber and a 9mm to non lethal status
2	12 mil, 12mil 3 ply Two sides	1/2 "	Can repel the shot of a .45 caliber and a 9m Can degrade the penetrating shot of a .44 magnum To non lethal status.
3	12 mil, 12mil 3 ply One side	5/8"	Can repel the shot of a .45 caliber and a 9mm Can degrade the penetrating shot of a .44 magnum To non lethal status
3	12 mil, 12mil 3 ply One side	3/4"	Can repel the shot of a .45 caliber and a 9mm Can degrade the penetrating shot of a .44 magnum To non lethal status
3	12 mil, 12mil 3 ply Two sides	1 "	Can degrade the shot of a 7.62 x 51 mm

The above table is only a guide. There are endless combinations, and we invite you to draw certain inferences from the above table. Statistics are based upon 3 consecutive shots within a circle radius of 8" at a measured distance of 25 feet (7.62 meters)

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