



Performance Results

Solar Transmittance	77
Solar Absorptance	14
Solar Reflectance	9
Visible Light Transmission	89
Visible Light Absorptance	2
Visible Light Reflectance (Exterior)	9
Visible Light Reflectance (Interior)	9
Emmissivity	0.91
U-Value (Summer)	1.06
U-Value (Winter)	1.12
Shading Coefficient	0.94
Solar Heat Gain Coefficient	0.83
UV Transmittance (300-350 Nanos)%	<2
Total Solar Energy Rejected	18

Notes: This test data contains results arrived at only after employing specific test procedures and standards. The included data does not constitute a recommendation for, endorsement of, or certification of the product or material tested. This data is provided for informational purposes only. ShatterGARD Safety & Security Window Films, Inc. makes no representation or warranty, expressed or implied, including the implied warranties of merchantability or fitness for a particular purpose, that its products will conform to these test data. Extrapolation of data from the sample or samples relating to the batch or lot from which data were obtained may not correlate and should be interpreted accordingly with caution. ShatterGARD shall not be responsible for variations in quality, composition, appearance, performance, or other feature of similar subject matter produced by persons or under conditions over which ShatterGARD has no control. Performance results were generated from testing 1/8" (3mm) thick clear glass and are subject to variations within industry standards.





Physical and Thermal Properties

Tensile Strength ASTM D 882 (PSI)	30,000
Elongation At Break ASTM D 882 (%)	152
Yield Stress (5%) ASTM D 882 (PSI)	15,750
Break Strength (lbs./in.)	201
Yield Strength (5%) (lbs./in.)	106
Tear Strength ASTM D 1004 Graves Tear Test (Initial)	18.5
Tensile Modulus ASTM D 882 (PSI)	558,000
Puncture Strength ASTM D 4830 (lbs.)	117
Peel Strength (grams/inch of width)	3,250
Poisson's Ratio ASTM D 882	0.40
Abrasion Resistance (%) ASTM D 1003-92 ASTM D 1044 100 Cycles	<5
ANZI Z 97.1	Pass
CPSC CFR 1201, Category II	Pass
GSA Security Criteria Performance Condition Daylight Application (4 PSI / 28 PSI/msec)	3b
BS 6206, Class C	Pass
Flame Spread Index ASTM D 882	2
Smoke Index ASTM D 882	31
Flash Temperature (°F) ASTM D 1929	735
Combustion Rate	NEGLIGIBLE
Melting Point (°C)	263
Self Ignition (°F) ASTM D 1929	755

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