

SF Clear 12 Mil i - Safety & Security Interior Films

Optically clear glazing protection



Safety

SF Clear 12 Mil i safety and security interior window film features exceptional clarity, low reflectance and high levels of UV protection. SF Clear 12 Mil i provides increased protection from glass shattered by impact, blast, crime or natural disaster with up to 99% UV block to reduce fading and sun damage.

Optical and Solar Properties**	SF Clear 12 Mil i
Item Number	R32303T
Pane	Single
Visible Light Transmitted	87%
Visible Light Reflected (Interior)	11%
Visible Light Reflected (Exterior)	11%
Ultra Violet Block	99%
Total Solar Energy Reflected	10%
Total Solar Energy Transmitted	78%
Total Solar Energy Absorbed	12%
Glare Reduction	3%
Shading Coefficient	0.94
Solar Heat Gain Coeff. (G-Value)	0.82
U-Value Winter (IP)	1.07
U-Value Winter (SI)	6.07
Total Solar Energy Rejected (%)	18%
Mechanical Properties	
Thickness	12 mil
Tensile Strength at Break	28,500 PSI
Break Strength	336 lb/inch
Elongation at Break	125%
Peel Strength	7 lb/inch
Safety Testing	
Impact	
EN 356 P4A	√
DIN 52290 Part 4, A1	√
Bomb Blast	
Siach Gefen IDF Testing (x2 + No Bar)	√
Bomb Blast GSA Level D (10.2 psi, 90.6 psi/msec)	√
UL 972 Burglary Resisting Glazing Material (GA) x2 + No Bar on Both Sides	√
Wind Debris	
ASTM E330	√
TAS 201, 202, 203, Florida Building Code (Dade County Small Missile Test) Hurricane	√

** Performance results are calculated on 3 mm glass using NFRC methodology and LBNL Window 5.2 software, and are subject to variations in process conditions within industry standards and are only intended for estimating purposes.

S93029 4/19



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