

3M™ SAFETY & SECURITY FILM

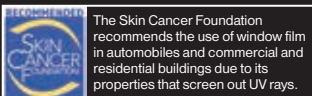
ULTRA NIGHT VISION S25

Product Features & Benefits:

- Micro-layered film designed for tear resistance
- Optically clear
- Applies to interior glass surfaces
- Helps protect from broken glass hazards
- Help extend the life of furnishings by significantly reducing harmful UV rays

Applications:

- Bomb Blast Mitigation
- Safety Glazing
- Helping to Deter Break & Entry
- Building Envelope Protection
- Spontaneous Glass Breakage
- Seismic Preparedness



Product Specifications

Visible Light Transmittance	24%
Glare Reduction	73%
Solar Heat Gain Coefficient	.40
Visible Light Reflectance Interior	7%
Visible Light Reflectance Exterior	19%
U-Value	1.02
UV Rejected	99.9%
Shading Coefficient	0.46
Total Solar Energy Rejected	60%

*Single Pane 1/4" (6mm) Clear

Film Properties

Film Thickness	8 mils
Film Construction	Micro-layered
TENSILE PROPERTIES (ASTM D882)	
Tensile Strength	27,000 psi
Break Strength	215 lbs/in
Elongation at Break	95%
Yield Strength	15,000 psi
Elongation at Yield	8%
Modulus	600 kpsi

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Graves Area Tear Resistance (ASTM D1004)	1100lbs%
Puncture-Propagation-Tear Resistance (ASTM D2582)	10 lbf
Puncture Strength (ASTM D4830)	140 lbf
Abrasion Resistance (ASTM D1044)	3% Δ haze
Peel Strength (ASTM D3330)	4.5 lb/in
Flammability (ASTM E84)	Class A
SOLAR PROPERTIES - Film applied to 1/4" clear glass	
Visible Light Transmitted	24%
UV Light Rejected	99.9%



3M Authorized Dealer & Applicator

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