

# PRODUCT DATA SHEET



## SAFETYSHIELD® 800 SECURITY FILM

MODEL#: 0-FLM-SFS-1002

PRODUCT LINE: SECURITY FILM

### DESCRIPTION

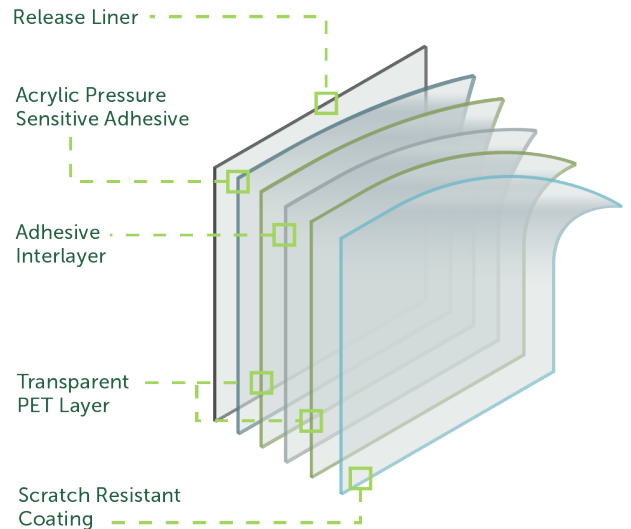
SafetyShield safety and security films deliver robust, around-the-clock protection against forced intrusion, vandalism, severe weather, and accidents involving broken glass. These advanced films, combined with secure attachment systems, are designed to strengthen glass against impact and delay or deter intrusions, providing an essential barrier in critical moments. SafetyShield also offers blast mitigation capabilities, adding a layer of defense in high-risk situations. Beyond security, SafetyShield reduces harmful UV exposure, helping to preserve furnishings and interiors.

### RATINGS

- ANSI Z97.1 - Unlimited
- CPSC 16 CFR Part 1201 - Category II
- GSA-TS01-2003 - 3A, 3B
  - Subject to Category C: 4 PSI, 30 psi/ms
- ASTM E1886/E1996 Large Missile Impact - Category B
- ASTM D4830-88 (Puncture Strength) - 129 lbs
- ASTM E84 (Surface Burn) - "A" Rating

### STANDARDS

- ANSI Z97.1 Safety Glazing Materials Used in Buildings
- CPSC 16 CFR Part 1201 Safety Standard for Architectural Glazing Materials
- GSA-TS01-2003 Standard Test Method for Glazing and Window Systems Subject to Dynamic Overpressure Loadings
- ASTM E1886 Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials
- ASTM E1996 Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Windborne Debris in Hurricanes
- ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials



### PROPERTIES

|                                  |                        |
|----------------------------------|------------------------|
| Film Thickness                   | 0.0095"                |
| Structural Component             | 0.008" (8 mil)         |
| Longitudinal Tensile Strength    | 28,000 PSI             |
| Traverse Tensile Strength        | 36,000 PSI             |
| Yield Strength                   | 14,000 PSI             |
| Traverse Elongation at Break     | 100%                   |
| Longitudinal Elongation at Break | 150%                   |
| Elongation at Yield              | 120%                   |
| Break Strength                   | 240 lbs per inch       |
| Peel Strength                    | 5 to 6 Pounds Per Inch |
| Visible Light Transmitted        | 87%                    |
| Reflected Exterior               | 9%                     |
| Reflected Interior               | 10%                    |
| Glare Reduction                  | 2%                     |
| Solar Heat Gain Coefficient      | 0.80                   |
| U Factor                         | 1.05                   |
| Ultraviolet Rejection            | Exceeds 99%            |
| Total Solar Energy Rejection     | 20%                    |

This product is manufactured in partnership with Madico Inc.