



## SECURITY

# 4M CLEAR

### Data:

- \* Designed for applications where safety and security is a priority
- \* Excellent solar performance, including UV rejection, as well as glare reduction
- \* Superior optical clarity
- \* Advanced adhesive formulation
- \* Evaluation according to the following test methods/standards:
  - Small Missile Impact Test - ANSI Z-97.1 and CPSC 16 CFR 1201
  - Large Missile Impact Test & Cyclic Window Pressure Tests - ASTM E1886/ASTM E 1996-03, Level C, 4,5lb 2" x 4"
  - GSA Explosive Test - GSA-TS01-2003
  - Flame Spread and Smoke Developed Test - ASTM e-84

### Total Solar Energy

Transmittance	74%
Reflectance	8%
Absorbance	18%
Rejection	20%

### Visible Light

Transmittance	85%
Reflectance	10%

Winter U-Value	1,05
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IR- Rejected	>8%
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UV Rejected	>99%
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### Physical Properties

Film Thickness	0,004"
Single or Multi-Ply	Single Layer
Tensile Strength	33,900 psi
Break Strength	128 lbs/inch
Adhesive Type	Acrylic Pressure Sensitive Adhesive
Peel Strength	2600g/inch
Elongation at Break	>100%
Melting Point	255~265°C
Puncture Strength	89lbs



Note: All data values above are representative and are provided for comparison purposes only

