

# Safety 12 Mil Matte

## 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   |

## OPTICAL & SOLAR PROPERTIES

|                                  | Single Pane | Double Pane |
|----------------------------------|-------------|-------------|
| Visible Light Transmitted        | 55 %        | 51%         |
| Visible Light Reflected (Int)    |             |             |
| Visible Light Reflected (Ext)    | 28 %        | 32 %        |
| Ultra Violet Block               | 99 %        | 99 %        |
| Total Solar Energy Reflected     | 23 %        | 24 %        |
| Total Solar Energy Transmitted   | 52 %        | 45 %        |
| Total Solar Energy Absorbed      | 26 %        | 31 %        |
| Emissivity (Room Side)           | 0.90        | 0.90        |
| Glare Reduction                  | 38 %        | 37 %        |
| Shading Coefficient              | 0.69        | 0.69        |
| Solar Heat Gain Coeff. (G-Value) | 0.60        | 0.60        |
| U-Value Winter (IP)              | 1.07        | 0.49        |
| U-Value Winter (SI)              | 6.08        | 2.77        |
| Luminous Efficacy                | 0.80        | 0.74        |
| Total Solar Energy Rejected      | 40 %        | 40 %        |

R32311C - Safety 12 Mil Matte Pressure Sensitive Adhesive

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