

| MATERIAL TYPE | THICKNESS            | ← COLOR (Standard Colors <b>Bold</b> ) | ASTM (D)→                   |      |  |      | Light Transmission (%) | Solar Energy Transmission (%) | Shading Coefficient | Solar Heat Gain Coefficient | Sound Reduction (dB) | U-Factors in BTU/(hour)(sq.ft.)(°F) | Specific Gravity / Relative Density | Tensile Strength (K) | Tensile Modulus of Elasticity (K) | Flexural Strength (K) | Izod Impact Strength - Molded Notch | Rockwell Hardness (M) | Deflection Temperature 264 psi (1.8 MPa) | UV Transmittance (%) <sup>1</sup> |     |
|---------------|----------------------|--|-----------------------------|------|--|------|------------------------|-------------------------------|---------------------|-----------------------------|----------------------|-------------------------------------|-------------------------------------|----------------------|-----------------------------------|-----------------------|-------------------------------------|-----------------------|--|-----------------------------------|-----|
|               |                      |  | 1003                        |      |  |      |                        |                               |                     |                             |                      |                                     |                                     |                      |                                   |                       |                                     |                       |  |                                   |     |
| ACRYLIC       | STANDARD             | 0.118"                                 | Clear                       | 92   | 89   | .98  | .85                    | 22                            | .98                 | 1.19                        | 10                   | 400                                 | 17                                  | .4                   | 93                                | NOT REPORTED          |                                     |                       |  | 100                               |     |
|               |                      |  | 2447 White                  | 49   | 63   | .74  | .64                    |                               |                     |                             |                      |                                     |                                     |                      |                                   |                       |                                     |                       |  | 0                                 |     |
|               |                      |  | 7328 White                  | 30   | 34   | .43  | .37                    |                               |                     |                             |                      |                                     |                                     |                      |                                   |                       |                                     |                       |  | 0                                 |     |
|               |                      |  | 2412 Bronze                 | 27   | 35   | .61  | .53                    |                               |                     |                             |                      |                                     |                                     |                      |                                   |                       |                                     |                       |  | 100                               |     |
|               |                      |  | 2370 Bronze                 | 10   | 20   | .45  | .35                    |                               |                     |                             |                      |                                     |                                     |                      |                                   |                       |                                     |                       |  | 100                               |     |
|               |                      |  | 2064 Gray                   | 25   | 42   | .72  | .63                    |                               |                     |                             |                      |                                     |                                     |                      |                                   |                       |                                     |                       |  | 100                               |     |
|               |                      |  | Clear over Clear            | 85   | 79   | .96  | .72                    |                               |                     |                             |                      |                                     |                                     |                      |                                   |                       |                                     |                       |  | 100                               |     |
|               |                      |  | 2447 White over Clear       | 45   | 56   | .73  | .54                    |                               |                     |                             |                      |                                     |                                     |                      |                                   |                       |                                     |                       |  | 0                                 |     |
|               |                      |  | 7328 White over Clear       | 23   | 30   | .42  | .37                    |                               |                     |                             |                      |                                     |                                     |                      |                                   |                       |                                     |                       |  | 0                                 |     |
|               |                      |  | 2447 White over 2412 Bronze | 13   | 22   | .45  | .34                    |                               |                     |                             |                      |                                     |                                     |                      |                                   |                       |                                     |                       |  | 0                                 |     |
|               |                      |  | 2447 White over 2447 White  | 24   | 40   | .55  | .41                    |                               |                     |                             |                      |                                     |                                     |                      |                                   |                       |                                     |                       |  | 0                                 |     |
|               |                      |  | 2447 White over 2064 Gray   | 12   | 26   | .53  | .40                    |                               |                     |                             |                      |                                     |                                     |                      |                                   |                       |                                     |                       |  | 0                                 |     |
|               |                      |  | 2412 Bronze over Clear      | 25   | 31   | .60  | .45                    |                               |                     |                             |                      |                                     |                                     |                      |                                   |                       |                                     |                       |  | 100                               |     |
|               |                      |  | 2370 Bronze over Clear      | 9    | 18   | .44  | .30                    |                               |                     |                             |                      |                                     |                                     |                      |                                   |                       |                                     |                       |  | 100                               |     |
|               |                      |  | 2064 Gray over Clear        | 23   | 37   | .71  | .54                    |                               |                     |                             |                      |                                     |                                     |                      |                                   |                       |                                     |                       |  | 100                               |     |
|               | COMMERCIAL DUTY      | 0.177"                                 | 2447 White                  | 37   | 47   | .56  | .48                    | 25                            | .94                 | 1.19                        | 10                   | 400                                 | 17                                  | .4                   | 93                                | NOT REPORTED          |                                     |                       |  |                                   | 0   |
|               |                      |  | 7328 White                  | 21   | 24   | .30  | .26                    |                               |                     |                             |                      |                                     |                                     |                      |                                   |                       |                                     |                       |  |                                   | 0   |
|               |                      |  | 2412 Bronze                 | 27   | 35   | .61  | .53                    |                               |                     |                             |                      |                                     |                                     |                      |                                   |                       |                                     |                       |  |                                   | 100 |
|               |                      |  | 2370 Bronze                 | 10   | 20   | .45  | .35                    |                               |                     |                             |                      |                                     |                                     |                      |                                   |                       |                                     |                       |  |                                   | 100 |
|               |                      |  | 2064 Gray                   | 25   | 42   | .72  | .63                    |                               |                     |                             |                      |                                     |                                     |                      |                                   |                       |                                     |                       |  |                                   | 100 |
|               |                      |  | 2447 White over Clear       | 34   | 42   | .55  | .41                    |                               |                     |                             |                      |                                     |                                     |                      |                                   |                       |                                     |                       |  |                                   | 0   |
|               |                      |  | 7328 White over Clear       | 19   | 21   | .29  | .22                    |                               |                     |                             |                      |                                     |                                     |                      |                                   |                       |                                     |                       |  |                                   | 0   |
|               |                      |  | 2412 Bronze over Clear      | 25   | 31   | .60  | .45                    |                               |                     |                             |                      |                                     |                                     |                      |                                   |                       |                                     |                       |  |                                   | 100 |
|               |                      |  | 2370 Bronze over Clear      | 9    | 19   | .36  | .27                    |                               |                     |                             |                      |                                     |                                     |                      |                                   |                       |                                     |                       |  |                                   | 100 |
|               | 2064 Gray over Clear | 23                                     | 37                          | .71  | .54  | 100  |                        |                               |                     |                             |                      |                                     |                                     |                      |                                   |                       |                                     |                       |  |                                   |     |
|               | DR <sup>2</sup>      | 0.177"                                 | 30% Clear (Single)          | 92   | PLEASE SEE SINGLE 0.177 COLORS CLEAR OR WHITE              |      |                        |                               | 28                  | 68                          | 1.18                 | 9                                   | 376                                 | 13.7                 | .6                                | 78                    | 198                                 | DEPENDENT ON COLOR    |  |                                   |     |
|               |                      |  | 50% Clear (Single)          |      | 90   | 1.17 | 8                      | 340                           |                     |                             | 12                   | .7                                  | 69                                  | 194                  |                                   |                       |                                     |                       |  |                                   |     |
|               |                      |  | 70% Clear (Single)          |      |  | 1.16 | 7.1                    | 304                           |                     |                             | 10.6                 | .9                                  | 59                                  | 190                  |                                   |                       |                                     |                       |  |                                   |     |
|               |                      |  | 100% Clear (Single)         | 1.15 |  | 5.6  | 250                    | 8.3                           | 1.1                 |                             | 46                   | 185                                 |                                     |                      |                                   |                       |                                     |                       |  |                                   |     |
|               |                      |  | 30% (Double)                | 36   | SEE 0.177 DOUBLE COLORS (MATERIAL NOT AVAILABLE IN BRONZE) |      |                        |                               | 31                  |                             | 1.18                 | 9                                   | 376                                 | 13.7                 | .6                                | 78                    | 198                                 |                       |  |                                   |     |
| 50% (Double)  |                      |  | 1.17                        |      | 8  | 340  | 12                     | .7                            |                     |                             | 69                   | 194                                 |                                     |                      |                                   |                       |                                     |                       |  |                                   |     |
| 70% (Double)  |                      |  | 1.16                        |      | 7.1  | 304  | 10.6                   | .9                            |                     |                             | 59                   | 190                                 |                                     |                      |                                   |                       |                                     |                       |  |                                   |     |
| 100% (Double) |                      |  | 34                          | 1.15 | 5.6  | 250  | 8.3                    | 1.1                           | 46                  |                             | 185                  |                                     |                                     |                      |                                   |                       |                                     |                       |  |                                   |     |

| GLASS TYPE         | Thickness | Color  | Light Transmission (%) | Solar Energy Transmission (%) | Shading Coefficient | Solar Heat Gain Coefficient | U-Factors in BTU/(hour)(sq.ft.)(°F) | Tensile Strength (K) | Visible Reflectance % (Out) | UV Transmittance (%) <sup>1</sup> | ↓ MORE INFORMATION ↓ |
|--------------------|-----------|--------|------------------------|-------------------------------|---------------------|-----------------------------|-------------------------------------|----------------------|-----------------------------|-----------------------------------|----------------------|
| PREMIUM INSULATED  | 1.125"    | Bronze | 40                     | 15                            | .31                 | .20                         | .22 <sup>3</sup>                    | 65                   | 8                           | <1                                |                      |
|                    |           | Gray   | 32                     | 12                            | .33                 | .18                         |                                     |                      | 7                           |                                   |                      |
|                    |           | Clear  | 60                     | 22                            | .44                 | .27                         |                                     |                      | 11                          |                                   |                      |
| NBE INSULATED      | 1"        | Bronze | 42                     | 32                            | .52                 | .45                         | .33                                 | 65                   | 8                           | 14                                |                      |
|                    |           | Gray   | 36                     | 27                            | .46                 | .40                         |                                     |                      | 7                           | 13                                |                      |
|                    |           | Clear  | 73                     | 52                            | .77                 | .67                         |                                     |                      | 17                          | 37                                |                      |
| TEMPERED LAMINATED | 0.500"    | Bronze | 36                     | 14                            | .41                 | .36                         | .93 <sup>5</sup>                    | 65                   | 13                          | <1                                |                      |
|                    |           | Gray   | 30                     | 12                            | .36                 | .32                         |                                     |                      | 16                          |                                   |                      |
|                    |           | Clear  | 60                     | 23                            | .36                 | .32                         |                                     |                      | 16                          |                                   |                      |

1 100% UV transmission can be paired with a UV clear which will block the UV (not available with the DR options)

2 Damage Resistant (Impact Modified Acrylic)

3 Winter .23 / Summer .20

4 <16 sqft = 1.125" thickness, >16 sqft = 1 3/16" thickness

5 Winter .97 / Summer .88

**GLASS::** All glass is tempered with a LoE coating on the exterior glass. Premium insulated glass has an argon-filled airspace in-between the tempered and the interior tempered/laminated glass. Tempered / laminated glass is two pieces of glass with an 0.030" PVB interlayer and is clear by default (White laminate is available but has to be specifically requested and blocks visibility.) Generally, ¼" tempered is used over 2- 3/16" pieces for larger skylights and smaller can be 3/16" tempered over 2- 0.100 pieces for the laminate. At times, the thickness of everything may be increased or decreased—depending on the application. Laminated glass is the new safety glass, taking chicken-wire glass' place. Clear glass with white laminate will look green unless low iron glass is used. Bronze or gray glass and white laminate will not show the green hue of the glass.