

| Structural         |                  |   |                        |                                  |                       |                   | Thermal Values                             |          |      |      |    |
|--------------------|------------------|---|------------------------|----------------------------------|-----------------------|-------------------|--|----------|------|------|----|
| Product Type       | Frame Size (in.) | Air Infiltration (cfm/ft <sup>2</sup> ) | Water Resistance (psf) | Uniform Load Test Pressure (psf) | Design Pressure (psf) | Performance Grade | Glazing                                    | U-Factor | SHGC | VT   | CR |
| Double Hung        | 36.5x60          | 0.07                                    | 6.06                   | 60.15                            | 40.10                 | R PG40            | Dual Pane Low-E Argon                      | 0.28     | 0.29 | 0.55 | 59 |
| Double Hung        | 40x63            | 0.06                                    | 5.43                   | 52.63                            | 35.09                 | R PG35            |  |          |      |      |    |
| Double Hung        | 37x72            | 0.06                                    | 6.89                   | 52.63                            | 35.09                 | R PG35            |  |          |      |      |    |
| Double Hung        | 42x66            | 0.06                                    | 6.06                   | 52.63                            | 35.09                 | R PG35            |  |          |      |      |    |
| Double Hung        | 37x78            | 0.02                                    | 6.06                   | 45.11                            | 30.08                 | R PG30            |  |          |      |      |    |
| Double Hung        | 48x78            | 0.03                                    | 6.89                   | 52.63                            | 35.09                 | R PG35            |  |          |      |      |    |
| Single Hung        | 48x72            | 0.10                                    | 5.43                   | 45.11                            | 30.09                 | R PG30            | Dual Pane Low-E Argon                      | 0.29     | 0.29 | 0.55 | 61 |
| Single Slider      | 72x48            | 0.14                                    | 5.43                   | 52.66                            | 35.11                 | R PG35            | Dual Pane Low-E Argon                      | 0.28     | 0.29 | 0.55 | 62 |
| Double Slider      | 72x48            | 0.17                                    | 5.43                   | 45.11                            | 30.08                 | R PG30            | Dual Pane Low-E Argon                      | 0.29     | 0.28 | 0.53 | 61 |
| Casement - Vent    | 36x72            | 0.03                                    | 12.12                  | 60.19                            | 40.13                 | LC PG40           | Dual Pane Low-E Argon                      | 0.27     | 0.27 | 0.51 | 59 |
| Awning - Vent      | 48x36            | 0.03                                    | 12.12                  | 75.24                            | 50.16                 | R PG50            | Dual Pane Low-E Argon                      | 0.27     | 0.27 | 0.51 | 58 |
| Casement Picture   | 72x72            | <0.01                                   | 7.52                   | 60.15                            | 40.10                 | CW PG40           | Dual Pane Low-E Argon                      | 0.25     | 0.30 | 0.57 | 58 |
| Casement Picture   | 48x72            | <0.01                                   | 9.19                   | 75.19                            | 50.13                 | CW PG50           |  |          |      |      |    |
| Picture            | 60x60            | <0.01                                   | 12.11                  | 82.71                            | 55.14                 | LC PG55           | Dual Pane Low-E Argon                      | 0.27     | 0.31 | 0.57 | 61 |
| Picture            | 72x72            | <0.01                                   | 12.11                  | 60.15                            | 40.10                 | LC PG40           |  |          |      |      |    |
| Picture            | 72x84            | <0.01                                   | 12.11                  | 52.63                            | 35.09                 | LC PG35           |  |          |      |      |    |
| Sliding Patio Door |                  |   |                        |                                  |                       |                   |  |          |      |      |    |
| Two Panel          | 71.5x82          | 0.10                                    | 6.06                   | 67.67                            | 45.11                 | LC PG45           | <i>Available for all door types listed</i> |          |      |      |    |
| Two Panel          | 95.5x95.5        | 0.26                                    | 4.60                   | 45.11                            | 30.08                 | LC PG30           | Dual Pane Low-E Argon                      | 0.28     | 0.27 | 0.51 | 62 |
| Three Panel        | 106.75x82        | 0.25                                    | 5.43                   | 52.63                            | 35.09                 | LC PG35           | Triple Pane, Low-E x 1 (Argon)             | 0.24     | 0.25 | 0.47 | 66 |
| Four Panel         | 139.875x82       | 0.09                                    | 4.60                   | 45.11                            | 30.08                 | LC PG30           | Triple Pane, Low-E x 2 (Argon)             | 0.22     | 0.23 | 0.40 | 70 |

Thermal values are for standard glazing package offerings without grilles. Factors such as custom sizes, glass spacers, safety glass, grilles between the glass, and simulated divided lites (SDL) can affect the final thermal values.