

| Product Series | Product Line (Model number in parenthesis) | Glass Type | U-Factor | No Grilles | | | U-Factor | SHGC | w/ Grilles | | | |
|---|---|------------------|----------|------------|---|----|----------|------|------------|---|----|----|
| | | | | SHGC | ENERGY STAR Qualified Climate Zone(s) | | | | SHGC | ENERGY STAR Qualified Climate Zone(s) | | |
| 7550 | 7550 Casement Window (7551, 7552, 7553, 7554, 7556, 7561, 7562, 7563, 7564, 7566, 7570, 7570TW, 7570TR) | Clear | 0.45 | 0.54 | - | - | - | 0.45 | 0.49 | - | - | - |
| | | LoE2 | 0.34 | 0.29 | - | - | SC | 0.34 | 0.26 | - | - | SC |
| | | LoE2 w/Argon Gas | 0.31 | 0.28 | - | NC | SC | 0.31 | 0.26 | - | NC | SC |
| | | LoE3 | 0.34 | 0.22 | - | - | SC | 0.34 | 0.20 | - | - | SC |
| | | LoE3 w/Argon Gas | 0.30 | 0.22 | N | NC | SC | 0.30 | 0.20 | N | NC | SC |
| | 7580 Fixed Window Shapes (7580, 7582, 7583, 7584, 7586, 7587, 7588, 7599) | Clear | 0.45 | 0.54 | - | - | - | 0.45 | 0.49 | - | - | - |
| | | LoE2 | 0.34 | 0.29 | - | - | SC | 0.34 | 0.26 | - | - | SC |
| | | LoE2 w/Argon Gas | 0.31 | 0.28 | - | NC | SC | 0.31 | 0.26 | - | NC | SC |
| | | LoE3 | 0.34 | 0.22 | - | - | SC | 0.34 | 0.20 | - | - | SC |
| | | LoE3 w/Argon Gas | 0.30 | 0.22 | N | NC | SC | 0.30 | 0.20 | N | NC | SC |
| 7450 7450 Awning Window (7451, 7452, 7453, 7462V, 7463V, 7466) | Clear | 0.46 | 0.54 | - | - | - | 0.46 | 0.49 | - | - | - | |
| | LoE2 | 0.34 | 0.29 | - | - | SC | 0.34 | 0.26 | - | - | SC | |
| | LoE2 w/Argon Gas | 0.31 | 0.28 | - | NC | SC | 0.31 | 0.26 | - | NC | SC | |
| | LoE3 | 0.34 | 0.22 | - | - | SC | 0.34 | 0.20 | - | - | SC | |
| | LoE3 w/Argon Gas | 0.30 | 0.22 | N | NC | SC | 0.30 | 0.20 | N | NC | SC | |
| 4900 | 4900 Single-hung Window (4901, 4902, 4903, 4910, 4920, 4930) | Clear | 0.49 | 0.62 | - | - | - | 0.49 | 0.56 | - | - | - |
| | | LoE2 | 0.35 | 0.34 | - | - | - | 0.36 | 0.30 | - | - | - |
| | | LoE2 w/Argon Gas | 0.31 | 0.33 | - | NC | - | 0.32 | 0.30 | - | NC | SC |
| | | LoE3 | 0.34 | 0.26 | - | - | SC | 0.36 | 0.23 | - | - | SC |
| | | LoE3 w/Argon Gas | 0.30 | 0.25 | N | NC | SC | 0.30 | 0.23 | N | NC | SC |
| | 4950 Picture Window & Shapes (4941, 4942, 4943, 4944, 4951, 4952, 4953, 4954, 4961, 4962, 4963, 4964, 4966, 4967, 4968, 4969) | Clear | 0.49 | 0.64 | - | - | - | 0.49 | 0.57 | - | - | - |
| | | LoE2 | 0.37 | 0.34 | - | - | - | 0.38 | 0.31 | - | - | - |
| | | LoE2 w/Argon Gas | 0.32 | 0.34 | - | NC | - | 0.33 | 0.30 | - | - | SC |
| | | LoE3 | 0.36 | 0.26 | - | - | SC | 0.38 | 0.23 | - | - | SC |
| | | LoE3 w/Argon Gas | 0.31 | 0.26 | - | NC | SC | 0.33 | 0.23 | - | - | SC |
| 3900 | 3900 Double-hung Window (3901, 3902, 3903, 3910, 3920, 3930) | Clear | 0.47 | 0.61 | - | - | - | 0.47 | 0.55 | - | - | - |
| | | LoE2 | 0.35 | 0.32 | - | - | - | 0.35 | 0.29 | - | - | SC |
| | | LoE2 w/Argon Gas | 0.31 | 0.32 | - | NC | - | 0.31 | 0.29 | - | NC | SC |
| | | LoE3 | 0.33 | 0.25 | - | - | SC | 0.33 | 0.22 | - | - | SC |
| | | LoE3 w/Argon Gas | 0.30 | 0.24 | N | NC | SC | 0.30 | 0.22 | N | NC | SC |
| | 3950 Picture Window & Shapes (3941, 3942, 3943, 3944, 3951, 3952, 3953, 3954, 3961, 3962, 3963, 3964, 3966, 3967, 3968, 3969, 3970, 3971, 3977) | Clear | 0.46 | 0.65 | - | - | - | 0.46 | 0.58 | - | - | - |
| | | LoE2 | 0.33 | 0.34 | - | - | - | 0.33 | 0.31 | - | - | - |
| | | LoE2 w/Argon Gas | 0.29 | 0.34 | N | NC | - | 0.29 | 0.31 | N | NC | - |
| | | LoE3 | 0.31 | 0.26 | - | NC | SC | 0.31 | 0.24 | - | NC | SC |
| | | LoE3 w/Argon Gas | 0.28 | 0.26 | N | NC | SC | 0.28 | 0.24 | N | NC | SC |
| 3000 | 3000 Double-hung Window (3001, 3002, 3003, 3010, 3020, 3030) | Clear | 0.47 | 0.61 | - | - | - | 0.47 | 0.55 | - | - | - |
| | | LoE2 | 0.35 | 0.32 | - | - | - | 0.35 | 0.29 | - | - | SC |
| | | LoE2 w/Argon Gas | 0.31 | 0.32 | - | NC | - | 0.31 | 0.29 | - | NC | SC |
| | | LoE3 | 0.33 | 0.25 | - | - | SC | 0.33 | 0.22 | - | - | SC |
| | | LoE3 w/Argon Gas | 0.30 | 0.24 | N | NC | SC | 0.30 | 0.22 | N | NC | SC |
| | 3050 Picture Window & Shapes (3041, 3042, 3043, 3044, 3051, 3052, 3053, 3054, 3061, 3062, 3063, 3064, 3066, 3067, 3068, 3069, 3070, 3071, 3077) | Clear | 0.46 | 0.65 | - | - | - | 0.46 | 0.58 | - | - | - |
| | | LoE2 | 0.33 | 0.34 | - | - | - | 0.33 | 0.31 | - | - | - |
| | | LoE2 w/Argon Gas | 0.29 | 0.34 | N | NC | - | 0.29 | 0.31 | N | NC | - |
| | | LoE3 | 0.31 | 0.26 | - | NC | SC | 0.31 | 0.24 | - | NC | SC |
| | | LoE3 w/Argon Gas | 0.28 | 0.26 | N | NC | SC | 0.28 | 0.24 | N | NC | SC |

| | | | | | | | | | | | | | | |
|---|--|---|-------|------|------|----|----|---|------|------|------|----|----|---|
| 2900 | 2900 Single-hung Window (2901, 2902, 2903, 2910, 2920, 2930) | Clear | 0.49 | 0.62 | - | - | - | - | 0.49 | 0.56 | - | - | - | - |
| | | LoE2 | 0.35 | 0.34 | - | - | - | - | 0.36 | 0.30 | - | - | - | - |
| | | LoE2 w/Argon Gas | 0.31 | 0.33 | - | NC | - | - | 0.32 | 0.30 | - | NC | SC | - |
| | | LoE3 | 0.34 | 0.26 | - | - | SC | S | 0.36 | 0.23 | - | - | - | S |
| | | LoE3 w/Argon Gas* | 0.30 | 0.25 | N | NC | SC | S | 0.30 | 0.23 | N | NC | SC | S |
| | 2950 Picture Window & Shapes (2940, 2942, 2943, 2944, 2945, 2950, 2952, 2953, 2954, 2961, 2962, 2963, 2964, 2966, 2967, 2968, 2969, 2970, 2971, 2975, 2977, 2979, 2987, 2989) | Clear | 0.49 | 0.64 | - | - | - | - | 0.49 | 0.57 | - | - | - | - |
| | | LoE2 | 0.37 | 0.34 | - | - | - | - | 0.38 | 0.31 | - | - | - | - |
| | | LoE2 w/Argon Gas | 0.32 | 0.34 | - | NC | - | - | 0.34 | 0.30 | - | - | SC | - |
| | | LoE3 | 0.36 | 0.25 | - | - | - | S | 0.37 | 0.23 | - | - | - | S |
| | | LoE3 w/Argon Gas | 0.31 | 0.25 | - | NC | SC | S | 0.32 | 0.23 | - | NC | SC | S |
| 2800 | 2800 Sliding Window (2802, 2803, 2804) | Clear | 0.49 | 0.62 | - | - | - | - | 0.49 | 0.56 | - | - | - | - |
| | | LoE2 | 0.35 | 0.34 | - | - | - | - | 0.36 | 0.30 | - | - | - | - |
| | | LoE2 w/Argon Gas | 0.31 | 0.33 | - | NC | - | - | 0.32 | 0.30 | - | NC | SC | - |
| | | LoE3 | 0.34 | 0.26 | - | - | SC | S | 0.35 | 0.23 | - | - | SC | S |
| | | LoE3 w/Argon Gas* | 0.30 | 0.25 | N | NC | SC | S | 0.30 | 0.23 | N | NC | SC | S |
| 2600 | 2600 Single-Hung (2601, 2602, 2603, 2610, 2620, 2630) | Clear | 0.49 | 0.64 | - | - | - | - | 0.49 | 0.57 | - | - | - | - |
| | | LoE2 | 0.34 | 0.35 | - | - | - | - | 0.34 | 0.31 | - | - | - | - |
| | | LoE2 w/Argon Gas | 0.30 | 0.34 | N | NC | - | - | 0.30 | 0.31 | N | NC | - | - |
| | | LoE3 | 0.33 | 0.26 | - | - | SC | S | 0.33 | 0.24 | - | - | SC | S |
| | | LoE3 w/Argon Gas | 0.29 | 0.26 | N | NC | SC | S | 0.29 | 0.24 | N | NC | SC | S |
| | 2650 Picture Window & Shapes (2641, 2642, 2643, 2644, 2651, 2652, 2653, 2654, 2661, 2662, 2663, 2664, 2666, 2667, 2668, 2669, 2679, 2689) | Clear | 0.48 | 0.65 | - | - | - | - | 0.49 | 0.59 | - | - | - | - |
| | | LoE2 | 0.34 | 0.35 | - | - | - | - | 0.35 | 0.32 | - | - | - | - |
| | | LoE2 w/Argon Gas | 0.29 | 0.35 | N | NC | - | - | 0.30 | 0.32 | N | NC | - | - |
| | | LoE3 | 0.33 | 0.27 | - | - | SC | S | 0.34 | 0.25 | - | - | SC | S |
| | | LoE3 w/Argon Gas | 0.29 | 0.27 | N | NC | SC | S | 0.29 | 0.24 | N | NC | SC | S |
| | 2690 Sliding Window (2692, 2693, 2694) | Clear | 0.49 | 0.66 | - | - | - | - | 0.49 | 0.59 | - | - | - | - |
| | | LoE2 | 0.34 | 0.35 | - | - | - | - | 0.34 | 0.32 | - | - | - | - |
| | | LoE2 w/Argon Gas | 0.29 | 0.35 | N | NC | - | - | 0.29 | 0.31 | N | NC | - | - |
| | | LoE3 | 0.33 | 0.27 | - | - | SC | S | 0.33 | 0.24 | - | - | SC | S |
| | 2700 | 2710/2760 Single-hung Window (2710B, 2710C, 2760B, 2760) | Clear | 0.50 | 0.62 | - | - | - | - | 0.50 | 0.56 | - | - | - |
| LoE2 | | | 0.36 | 0.34 | - | - | - | - | 0.38 | 0.30 | - | - | - | - |
| LoE2 w/Argon Gas | | | 0.32 | 0.33 | - | NC | - | - | 0.33 | 0.30 | - | - | SC | - |
| LoE3 | | | 0.36 | 0.26 | - | - | - | S | 0.37 | 0.23 | - | - | - | S |
| LoE3 w/Argon Gas | | | 0.31 | 0.25 | - | NC | SC | S | 0.33 | 0.23 | - | - | SC | S |
| 2730/2780 Picture Window & Shapes (2730, 2735, 2739, 2780, 2785) | | Clear | 0.50 | 0.63 | - | - | - | - | 0.51 | 0.57 | - | - | - | - |
| | | LoE2 | 0.38 | 0.34 | - | - | - | - | 0.40 | 0.31 | - | - | - | - |
| | | LoE2 w/Argon Gas | 0.32 | 0.34 | - | NC | - | - | 0.34 | 0.30 | - | - | SC | - |
| | | LoE3 | 0.37 | 0.26 | - | - | - | S | 0.39 | 0.24 | - | - | - | S |
| | | LoE3 w/Argon Gas | 0.32 | 0.26 | - | NC | SC | S | 0.34 | 0.23 | - | - | SC | S |
| 2390 | 2390 Sliding Window (2392, 2393, 2394) | Clear | 0.49 | 0.66 | - | - | - | - | 0.49 | 0.59 | - | - | - | - |
| | | LoE2 | 0.34 | 0.35 | - | - | - | - | 0.34 | 0.32 | - | - | - | - |
| | | LoE2 w/Argon Gas | 0.29 | 0.35 | N | NC | - | - | 0.29 | 0.31 | N | NC | - | - |
| | | LoE3 | 0.33 | 0.27 | - | - | SC | S | 0.33 | 0.24 | - | - | SC | S |
| | | LoE3 w/Argon Gas | 0.29 | 0.26 | N | NC | SC | S | 0.29 | 0.24 | N | NC | SC | S |
| 2200 | 2200 Single-Hung (2201, 2202, 2203, 2210, 2220, 2230) | Clear | 0.49 | 0.64 | - | - | - | - | 0.49 | 0.57 | - | - | - | - |
| | | LoE2 | 0.34 | 0.35 | - | - | - | - | 0.34 | 0.31 | - | - | - | - |
| | | LoE2 w/Argon Gas | 0.30 | 0.34 | N | NC | - | - | 0.30 | 0.31 | N | NC | - | - |
| | | LoE3 | 0.33 | 0.26 | - | - | SC | S | 0.33 | 0.24 | - | - | SC | S |
| | | LoE3 w/Argon Gas | 0.29 | 0.26 | N | NC | SC | S | 0.29 | 0.24 | N | NC | SC | S |
| | 2250 Picture Window & Shapes (2241, 2242, 2243, 2244, 2251, 2252, 2253, 2254, 2261, 2262, 2263, 2264, 2266, 2267, 2268, 2269, 2270, 2271, 2275, 2277, 2279, 2289) | Clear | 0.48 | 0.65 | - | - | - | - | 0.49 | 0.59 | - | - | - | - |
| | | LoE2 | 0.34 | 0.35 | - | - | - | - | 0.35 | 0.32 | - | - | - | - |
| | | LoE2 w/Argon Gas | 0.29 | 0.35 | N | NC | - | - | 0.30 | 0.32 | N | NC | - | - |
| | | LoE3 | 0.33 | 0.27 | - | - | SC | S | 0.34 | 0.25 | - | - | SC | S |
| | | LoE3 w/Argon Gas | 0.29 | 0.27 | N | NC | SC | S | 0.29 | 0.24 | N | NC | SC | S |
| 2110 | 2110 Single-hung Window (2110B, 2110C) | Clear | 0.49 | 0.64 | - | - | - | - | 0.49 | 0.57 | - | - | - | - |
| | | LoE2 | 0.34 | 0.34 | - | - | - | - | 0.36 | 0.31 | - | - | - | - |
| | | LoE2 w/Argon Gas | 0.30 | 0.34 | N | NC | - | - | 0.31 | 0.31 | - | NC | - | - |
| | | LoE3 | 0.34 | 0.26 | - | - | SC | S | 0.35 | 0.24 | - | - | SC | S |
| | | LoE3 w/Argon Gas | 0.30 | 0.26 | N | NC | SC | S | 0.31 | 0.24 | - | NC | SC | S |
| | 2130 Picture Window & Shapes (2130, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2145) | Clear | 0.48 | 0.65 | - | - | - | - | 0.49 | 0.59 | - | - | - | - |
| | | LoE2 | 0.34 | 0.35 | - | - | - | - | 0.35 | 0.32 | - | - | - | - |
| | | LoE2 w/Argon Gas | 0.29 | 0.35 | N | NC | - | - | 0.30 | 0.32 | N | NC | - | - |
| | | LoE3 | 0.33 | 0.27 | - | - | SC | S | 0.34 | 0.25 | - | - | SC | S |
| | | LoE3 w/Argon Gas | 0.29 | 0.27 | N | NC | SC | S | 0.30 | 0.24 | N | NC | SC | S |

* Select sizes and/or configurations also require insulating foam. To ensure you receive ENERGY STAR qualified performance, Silver Line will include insulating foam in these sizes and/or configurations at a modest charge.

ENERGY STAR® QUALIFICATION

The ENERGY STAR® program was developed by the U.S. Department of Energy and the Environmental Protection Agency to help consumers identify products that save energy. Requirements for windows and doors are tailored to meet the energy needs of the country's four different regions - Northern, North-Central, South-Central and Southern. ENERGY STAR windows and doors must be rated, certified and labeled by the National Fenestration Rating Council (NFRC) for U-Value and Solar Heat Gain Coefficient (SHGC).

ENERGY STAR® Qualification Criteria for Residential Windows

| Climate Zone | U-Factor ¹ | SHGC ² | |
|---------------|-----------------------|-------------------|-------------------------------|
| Northern | ≤ 0.30 | Any | Prescriptive |
| | ≥ 0.31 | ≥ 0.35 | Equivalent Energy Performance |
| | ≥ 0.32 | ≥ 0.40 | |
| North-Central | ≤ 0.32 | ≤ 0.40 | |
| South-Central | ≤ 0.35 | ≤ 0.30 | |
| Southern | ≤ 0.60 | ≤ 0.27 | |

¹ Btu/h-ft²-F

² Fraction of incident solar radiation



Test methods: NFRC 100-2009 for U-Factor, NFRC 200-2004 for SHGC and Visible Light Transmittance

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