

Standard

EN410

Select product

Extra Clearview 70

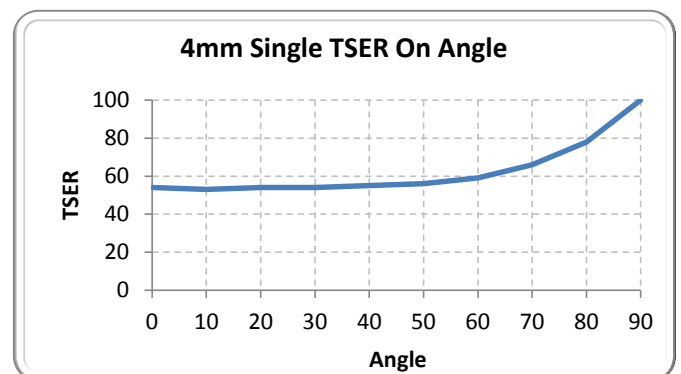
| | 4mm Single Clear | 6mm Single Clear | 4mm Double Clear | 6mm Double Clear | 6mm Double Low-E S#2 | 6mm Double Low-E S#3 | 4mm Triple Clear | 4mm Triple LE S#2&5 |
|---|------------------------|------------------------|------------------------|------------------------|----------------------------|----------------------------|------------------------|---------------------------|
| Performance results | | | | | | | | |
| Visible light | | | | | | | | |
| Transmittance % | 72 | 72 | 65 | 64 | 55 | 62 | 60 | 56 |
| Reflectance exterior % | 9 | 9 | 15 | 15 | 11 | 13 | 21 | 15 |
| Reflectance interior % | 9 | 9 | 13 | 13 | 11 | 11 | 16 | 13 |
| Glare reduction % | 20 | 20 | 20 | 20 | 20 | 21 | 20 | 21 |
| Solar energy | | | | | | | | |
| Transmittance % | 39 | 39 | 35 | 34 | 25 | 31 | 31 | 27 |
| Absorptance % | 31 | 34 | 36 | 41 | 46 | 42 | 40 | 43 |
| Reflectance % | 30 | 27 | 29 | 25 | 29 | 27 | 29 | 30 |
| Solar heat gain coefficient (G-value) | ,46 | ,46 | ,52 | ,52 | ,38 | ,55 | ,52 | ,47 |
| Light to solar heat gain ratio (VLT/SHGC) | 1,56 | 1,54 | 1,27 | 1,24 | 1,45 | 1,12 | 1,15 | 1,20 |
| Total solar energy rejected % | 54 | 54 | 48 | 48 | 62 | 45 | 48 | 53 |
| Total solar energy rejected % @60° | 59 | | | | | | | |
| Solar heat gain reduction % | 47 | 45 | 33 | 30 | 8 | 11 | 26 | 7 |
| Thermal energy | | | | | | | | |
| Emissivity | ,77 | ,77 | ,77 | ,77 | ,77 | ,77 | ,77 | ,77 |
| Winter U-factor (W/m ² °C) | 5,6 | 5,5 | 2,8 | 2,7 | 1,1 | 1,1 | 1,8 | 0,6 |
| Winter heat loss reduction % | 3 | 4 | 2 | 2 | 1 | 1 | 1 | 0 |
| Ultraviolet light | | | | | | | | |
| Blocked @ 300 to 380 nm % | >99 | >99 | >99 | >99 | >99 | >99 | >99 | >99 |
| Fade control | | | | | | | | |
| UV Tdw-ISO @ 300 to 700 nm % | 47 | 47 | 43 | 42 | 35 | 40 | 39 | 36 |
| Fade Reduction % | 45 | 43 | 42 | 41 | 38 | 39 | 41 | 38 |

IR rejection

| | | |
|---------------|----|----|
| 780 to 2500nm | 95 | 96 |
|---------------|----|----|

Physical properties

| | | |
|--|-------|--------------------|
| Thickness (microns) | 75 | microns |
| Tensile Strength ASTM D 882 | 2110 | kg/cm ² |
| Elongation ASTM D 882 | >100 | % |
| Yield Stress (5%) ASTM D 882 | 1100 | kg/cm ² |
| Break Strength ASTM D 882 | 16,5 | kg/cm |
| Yield Strength (5%) ASTM D 882 | 8,1 | kg/cm |
| Tear Strength (Graves) ASTM D 1004 | 2,3 | kg |
| Tensile Modulus ASTM D 882 | 35000 | kg/cm ² |
| Puncture Strength ASTM D 4830 | 22,7 | kg |
| Peel Strength ASTM D 903 | >985 | g/cm |
| Poisson's Ratio ASTM D 882 | 0,38 | |
| Abrasion Resistance (100 Cycles) ASTM D 1003-92, ASTM D 1044 | <5 | % |


Performance results notes:

Calculated using LBNL Window 7.2 according to EN410 and EN673.

IR rejection = 1 - average unweighted transmittance