

Standard

**EN410**

Select product

**Clearview 60**

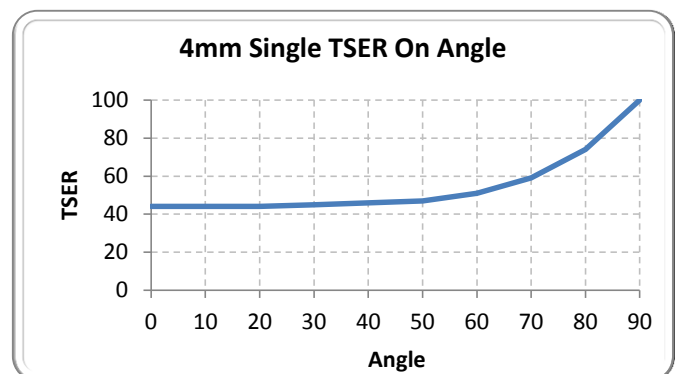
	4mm Single Clear	6mm Single Clear	4mm Double Clear	6mm Double Clear	6mm Double Low-E S#2	6mm Double Low-E S#3	4mm Triple Clear	4mm Triple LE S#2&5
<b>Performance results</b>								
<b>Visible light</b>								
Transmittance %	64	63	58	57	48	55	53	50
Reflectance exterior %	17	17	22	22	16	20	27	21
Reflectance interior %	16	16	19	19	18	18	22	20
Glare reduction %	29	29	29	29	29	30	28	30
<b>Solar energy</b>								
Transmittance %	49	48	43	41	25	35	38	29
Absorptance %	30	32	34	38	44	38	37	40
Reflectance %	21	20	23	21	31	27	25	31
Solar heat gain coefficient (G-value)	,56	,55	,59	,58	,36	,56	,57	,46
Light to solar heat gain ratio (VLT/SHGC)	1,13	1,14	,99	,99	1,33	,97	,93	1,07
Total solar energy rejected %	44	45	41	42	64	44	43	54
Total solar energy rejected % @60°	51							
Solar heat gain reduction %	35	35	24	23	12	9	19	8
<b>Thermal energy</b>								
Emissivity	,76	,76	,76	,76	,76	,76	,76	,76
Winter U-factor (W/m <sup>2</sup> °C)	5,5	5,5	2,8	2,7	1,1	1,1	1,8	0,6
Winter heat loss reduction %	4	4	2	2	1	1	2	0
<b>Ultraviolet light</b>								
Blocked @ 300 to 380 nm %	>99	>99	>99	>99	>99	>99	>99	>99
<b>Fade control</b>								
UV Tdw-ISO @ 300 to 700 nm %	45	45	41	40	34	38	38	35
Fade Reduction %	47	45	45	44	39	42	42	40

**IR rejection**

780 to 2500nm	70	72
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**Physical properties**

Thickness (microns)	50	microns
Tensile Strength ASTM D 882	2110	kg/cm <sup>2</sup>
Elongation ASTM D 882	>100	%
Yield Stress (5%) ASTM D 882	1100	kg/cm <sup>2</sup>
Break Strength ASTM D 882	11,0	kg/cm
Yield Strength (5%) ASTM D 882	5,4	kg/cm
Tear Strength (Graves) ASTM D 1004	1,5	kg
Tensile Modulus ASTM D 882	35000	kg/cm <sup>2</sup>
Puncture Strength ASTM D 4830	15,0	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