

Standard

EN410

Select product

Clearview 40

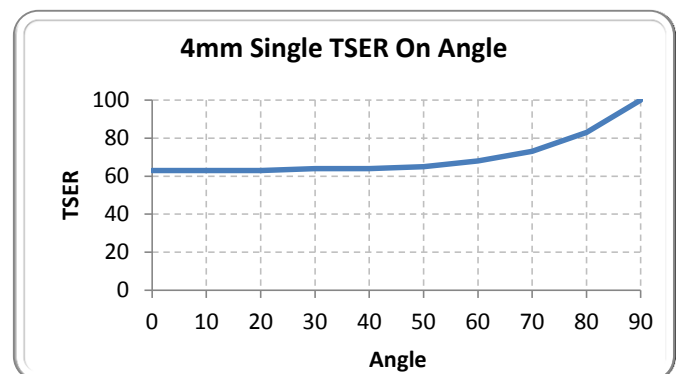
	4mm Single Clear	6mm Single Clear	4mm Double Clear	6mm Double Clear	6mm Double Low-E S#2	6mm Double Low-E S#3	4mm Triple Clear	4mm Triple LE S#2&5
Performance results								
Visible light								
Transmittance %	41	41	38	37	32	36	35	33
Reflectance exterior %	33	32	35	34	25	31	38	30
Reflectance interior %	30	30	31	31	31	31	32	31
Glare reduction %	54	54	53	53	54	54	52	54
Solar energy								
Transmittance %	29	29	26	25	16	22	23	19
Absorptance %	34	36	38	43	49	44	43	45
Reflectance %	37	35	36	32	35	34	34	36
Solar heat gain coefficient (G-value)	,37	,36	,44	,44	,30	,48	,45	,40
Light to solar heat gain ratio (VLT/SHGC)	1,13	1,12	,87	,85	1,04	,75	,78	,81
Total solar energy rejected %	63	64	56	56	70	52	55	60
Total solar energy rejected % @60°	68							
Solar heat gain reduction %	58	57	44	41	26	23	36	20
Thermal energy								
Emissivity	,68	,68	,68	,68	,68	,68	,68	,68
Winter U-factor (W/m ² °C)	5,3	5,3	2,7	2,7	1,1	1,1	1,8	0,6
Winter heat loss reduction %	8	8	4	4	2	2	3	2
Ultraviolet light								
Blocked @ 300 to 380 nm %	>99	>99	>99	>99	>99	>99	>99	>99
Fade control								
UV Tdw-ISO @ 300 to 700 nm %	33	32	30	29	24	28	28	25
Fade Reduction %	61	61	59	59	57	58	58	57

IR rejection

780 to 2500nm	87	87
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Physical properties

Thickness (microns)	50	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	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 ²
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