

Standard

EN410

Select product

Clearview 20

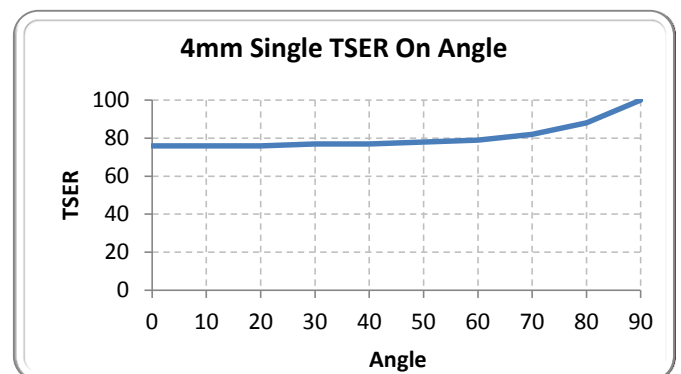
	4mm Single Clear	6mm Single Clear	4mm Double Clear	6mm Double Clear	6mm Double Low-E S#2	6mm Double Low-E S#3	4mm Triple Clear	4mm Triple LE S#2&5
Performance results								
Visible light								
Transmittance %	23	22	21	21	17	20	20	18
Reflectance exterior %	45	44	46	45	32	40	47	38
Reflectance interior %	42	42	43	43	43	43	43	43
Glare reduction %	75	75	74	74	75	75	74	75
Solar energy								
Transmittance %	16	15	14	14	9	12	13	10
Absorptance %	36	41	42	47	53	49	46	50
Reflectance %	48	44	44	39	38	39	41	40
Solar heat gain coefficient (G-value)	,24	,24	,34	,35	,26	,41	,37	,35
Light to solar heat gain ratio (VLT/SHGC)	,95	,93	,62	,60	,68	,48	,53	,51
Total solar energy rejected %	76	76	66	65	74	59	63	65
Total solar energy rejected % @60°	79							
Solar heat gain reduction %	73	72	56	53	38	33	47	30
Thermal energy								
Emissivity	,67	,67	,67	,67	,67	,67	,67	,67
Winter U-factor (W/m ² °C)	5,3	5,2	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 %	19	18	17	17	14	16	16	14
Fade Reduction %	78	78	77	76	75	76	76	76

IR rejection

780 to 2500nm	94	94
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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