

Standard

EN410

Select product

8 Mil Clear

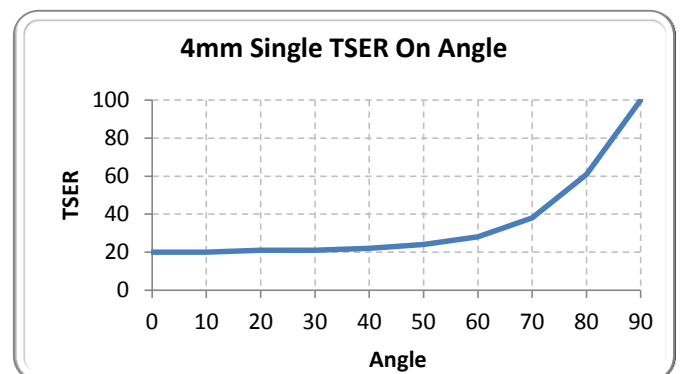
	4mm Single Clear	6mm Single Clear	4mm Double Clear	6mm Double Clear	6mm Double Low-E S#2	6mm Double Low-E S#3	4mm Triple Clear	4mm Triple LE S#2&5
Performance results								
Visible light								
Transmittance %	87	86	79	77	66	74	72	67
Reflectance exterior %	10	10	17	16	12	14	22	16
Reflectance interior %	10	10	17	16	14	14	22	17
Glare reduction %	4	4	4	4	4	5	3	5
Solar energy								
Transmittance %	77	74	66	62	34	50	58	40
Absorptance %	14	17	20	24	37	27	23	31
Reflectance %	9	9	14	14	29	23	19	29
Solar heat gain coefficient (G-value)	,80	,78	,74	,72	,40	,63	,68	,50
Light to solar heat gain ratio (VLT/SHGC)	1,08	1,10	1,06	1,08	1,64	1,18	1,06	1,34
Total solar energy rejected %	20	22	26	28	60	37	32	50
Total solar energy rejected % @60°	28							
Solar heat gain reduction %	7	7	4	4	3	-2	3	1
Thermal energy								
Emissivity	,96	,96	,96	,96	,96	,96	,96	,96
Winter U-factor (W/m ² °C)	6,1	6,0	2,9	2,9	1,2	1,2	1,9	0,6
Winter heat loss reduction %	-5	-5	-2	-3	-2	-2	-2	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 %	62	61	56	55	46	52	51	47
Fade Reduction %	27	26	24	23	18	21	23	19

IR rejection

780 to 2500nm	28	32
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Physical properties

Thickness (microns)	200	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	44,0	kg/cm
Yield Strength (5%) ASTM D 882	21,6	kg/cm
Tear Strength (Graves) ASTM D 1004	6,0	kg
Tensile Modulus ASTM D 882	35000	kg/cm ²
Puncture Strength ASTM D 4830	64,0	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