

Standard

EN410

Select product

Silver 35

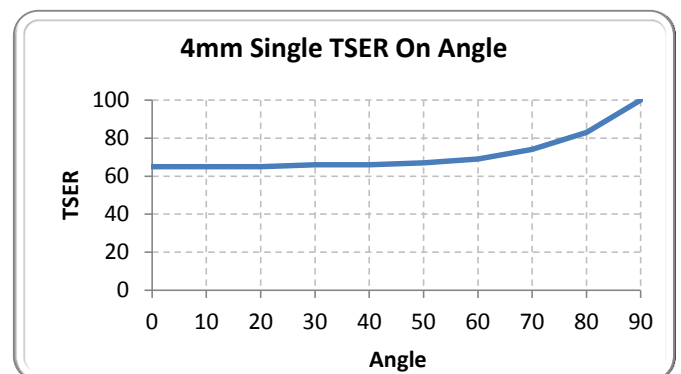
	4mm Single Clear	6mm Single Clear	4mm Double Clear	6mm Double Clear	6mm Double Low-E S#2	6mm Double Low-E S#3	4mm Triple Clear	4mm Triple LE S#2&5
Performance results								
Visible light								
Transmittance %	34	34	32	31	26	30	30	27
Reflectance exterior %	38	37	40	38	28	35	41	33
Reflectance interior %	36	36	37	37	36	36	38	37
Glare reduction %	62	62	61	61	61	62	60	61
Solar energy								
Transmittance %	26	26	24	22	14	19	21	16
Absorptance %	38	40	41	46	50	46	45	47
Reflectance %	36	34	35	32	36	35	34	37
Solar heat gain coefficient (G-value)	,35	,35	,43	,43	,29	,47	,45	,39
Light to solar heat gain ratio (VLT/SHGC)	,99	,98	,74	,72	,91	,64	,66	,70
Total solar energy rejected %	65	65	57	57	71	53	55	61
Total solar energy rejected % @60°	69							
Solar heat gain reduction %	60	59	44	42	30	24	36	23
Thermal energy								
Emissivity	,73	,73	,73	,73	,73	,73	,73	,73
Winter U-factor (W/m ² °C)	5,5	5,4	2,7	2,7	1,1	1,1	1,8	0,6
Winter heat loss reduction %	5	5	3	3	1	1	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 %	28	28	26	26	21	24	24	22
Fade Reduction %	67	66	65	63	63	64	64	62

IR rejection

780 to 2500nm	86	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