Binckhorstlaan 36
2516 BE Den Haag
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KvK Haaglanden : 27180197

Standard

EN410

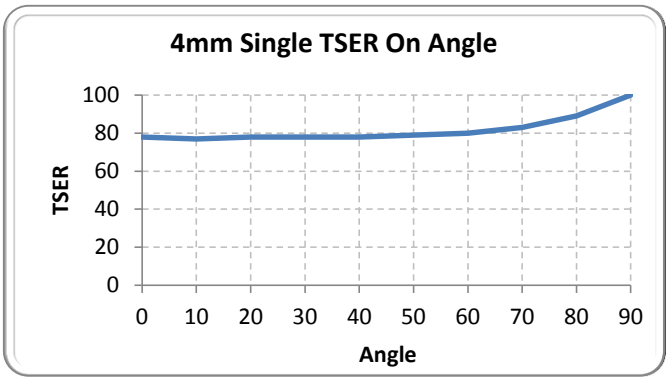
Select product

Silver Esave 25 Low-E interior

Performance results	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
Visible light								
Transmittance %	22	22	20	20	17	19	19	17
Reflectance exterior %	40	40	42	41	30	37	43	35
Reflectance interior %	48	48	48	48	48	48	48	48
Glare reduction %	76	76	75	75	75	76	75	76
Solar energy								
Transmittance %	15	15	14	13	9	12	12	10
Absorptance %	41	44	46	51	55	51	50	52
Reflectance %	44	41	40	36	36	37	38	38
Solar heat gain coefficient (G-value)	,22	,23	,33	,33	,26	,41	,37	,36
Light to solar heat gain ratio (VLT/SHGC)	,97	,96	,62	,59	,64	,46	,51	,48
Total solar energy rejected %	78	77	67	67	74	59	63	64
Total solar energy rejected % @60°	80							
Solar heat gain reduction %	74	73	58	55	36	33	47	28
Thermal energy								
Emissivity	,33	,33	,33	,33	,33	,33	,33	,33
Winter U-factor (W/m²°C)	4,2	4,2	2,4	2,4	1,0	1,0	1,6	0,6
Winter heat loss reduction %	26	26	15	15	8	8	11	3
Ultraviolet light								
Blocked @ 300 to 380 nm %	>99	>99	>99	>99	>99	>99	>99	>99
Fade control								
UV Tdw-ISO @ 300 to 700 nm %	18	18	16	16	13	15	15	14
Fade Reduction %	79	78	78	77	77	77	77	76

IR rejection		
780 to 2500nm	94	94

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