Binckhorstlaan 36
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KvK Haaglanden : 27180197

Standard

EN410

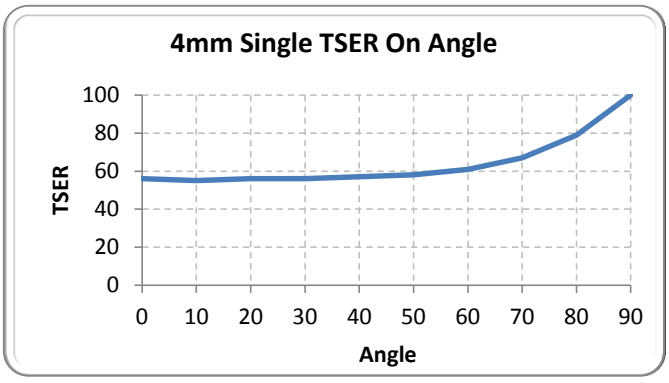
Select product

Extreme View OSX50 Exterior

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 %	48	48	44	43	36	42	41	38
Reflectance exterior %	27	27	29	29	28	28	31	29
Reflectance interior %	25	25	29	28	22	24	32	25
Glare reduction %	47	47	46	46	47	46	45	47
Solar energy								
Transmittance %	37	36	32	31	20	25	29	21
Absorptance %	32	33	36	37	46	42	38	45
Reflectance %	31	31	32	32	34	33	33	34
Solar heat gain coefficient (G-value)	,44	,43	,38	,36	,23	,31	,34	,26
Light to solar heat gain ratio (VLT/SHGC)	1,08	1,09	1,17	1,19	1,55	1,36	1,21	1,44
Total solar energy rejected %	56	57	62	64	77	69	66	74
Total solar energy rejected % @60°	61							
Solar heat gain reduction %	49	49	51	51	43	50	52	48
Thermal energy								
Emissivity	,78	,78	,78	,78	,78	,78	,78	,78
Winter U-factor (W/m²°C)	5,7	5,7	2,8	2,8	1,1	1,1	1,8	0,6
Winter heat loss reduction %	0	0	0	0	0	0	0	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 %	36	36	33	32	27	31	30	28
Fade Reduction %	58	56	55	55	52	53	55	52

IR rejection		
780 to 2500nm	78	80

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