Binckhorstlaan 36
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KvK Haaglanden : 27180197

Standard

EN410

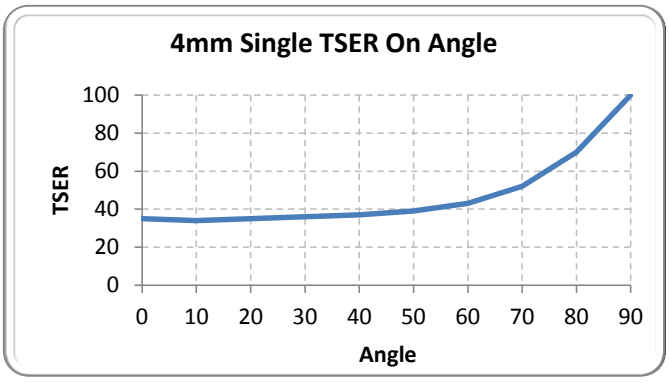
Select product

Matte Privacy Folie

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 %	65	65	60	59	50	56	55	51
Reflectance exterior %	25	25	29	28	21	25	32	25
Reflectance interior %	27	27	30	30	29	29	33	30
Glare reduction %	28	28	27	27	27	28	26	28
Solar energy								
Transmittance %	61	59	53	49	26	40	46	31
Absorptance %	18	21	24	29	41	31	29	36
Reflectance %	21	20	23	22	33	29	25	33
Solar heat gain coefficient (G-value)	,65	,64	,63	,61	,34	,56	,59	,45
Light to solar heat gain ratio (VLT/SHGC)	1,00	1,01	,95	,96	1,44	1,01	,93	1,14
Total solar energy rejected %	35	36	37	39	66	44	41	55
Total solar energy rejected % @60°	43							
Solar heat gain reduction %	25	24	18	18	16	10	15	11
Thermal energy								
Emissivity	,87	,87	,87	,87	,87	,87	,87	,87
Winter U-factor (W/m²°C)	5,8	5,8	2,8	2,8	1,1	1,1	1,8	0,6
Winter heat loss reduction %	-1	-1	-1	-1	-1	-1	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 %	45	44	41	40	33	38	37	34
Fade Reduction %	47	46	45	44	41	42	44	41

IR rejection		
780 to 2500nm	34	38

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