

Standard

EN410

Select product

TrueVue 30

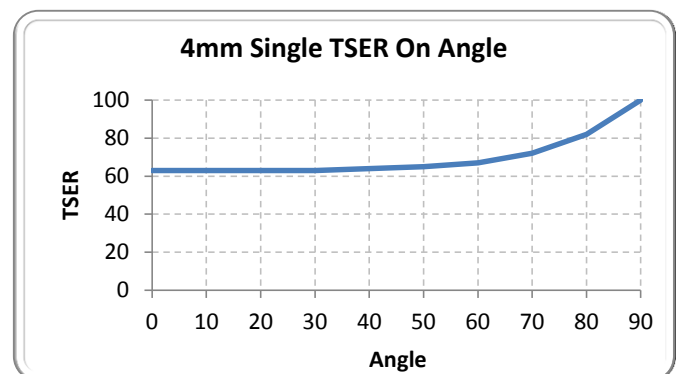
	4mm Single Clear	6mm Single Clear	4mm Double Clear	6mm Double Clear	6mm Double Low-E S#2	6mm Double Low-E S#3	4mm Triple Clear	4mm Triple LE S#2&5
Performance results								
Visible light								
Transmittance %	31	31	29	28	24	27	27	25
Reflectance exterior %	22	22	26	26	19	23	30	24
Reflectance interior %	13	13	14	14	13	13	14	14
Glare reduction %	65	65	65	65	65	66	64	65
Solar energy								
Transmittance %	27	26	23	22	13	19	21	15
Absorptance %	45	48	49	53	55	52	50	52
Reflectance %	28	26	28	25	32	29	29	33
Solar heat gain coefficient (G-value)	,37	,37	,48	,47	,33	,51	,49	,43
Light to solar heat gain ratio (VLT/SHGC)	,85	,85	,60	,60	,73	,52	,54	,57
Total solar energy rejected %	63	63	52	53	67	49	51	57
Total solar energy rejected % @60°	67							
Solar heat gain reduction %	57	57	39	37	20	17	30	14
Thermal energy								
Emissivity	,75	,75	,75	,75	,75	,75	,75	,75
Winter U-factor (W/m ² °C)	5,5	5,4	2,8	2,7	1,1	1,1	1,8	0,6
Winter heat loss reduction %	4	4	2	2	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 %	23	23	21	21	17	20	19	18
Fade Reduction %	73	72	72	70	70	70	71	69

IR rejection

780 to 2500nm	82	83
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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