

Standard

EN410

Select product

TrueVue 15

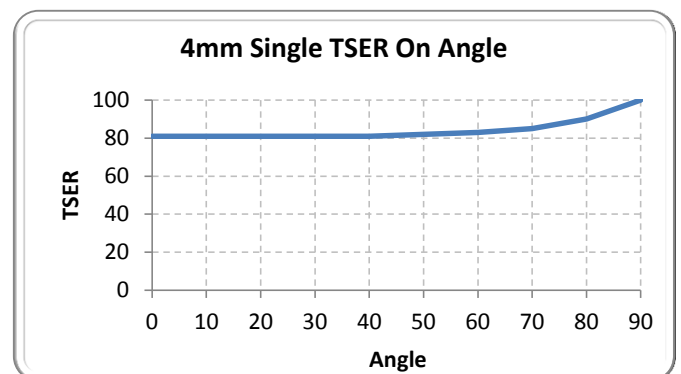
	4mm Single Clear	6mm Single Clear	4mm Double Clear	6mm Double Clear	6mm Double Low-E S#2	6mm Double Low-E S#3	4mm Triple Clear	4mm Triple LE S#2&5
Performance results								
Visible light								
Transmittance %	12	12	11	11	9	11	11	10
Reflectance exterior %	45	44	46	44	32	40	47	38
Reflectance interior %	23	23	23	23	23	23	23	23
Glare reduction %	87	87	86	86	86	87	86	86
Solar energy								
Transmittance %	9	9	8	8	5	7	7	6
Absorptance %	44	48	49	54	57	54	53	54
Reflectance %	47	43	43	38	38	39	40	40
Solar heat gain coefficient (G-value)	,19	,20	,32	,33	,25	,41	,37	,35
Light to solar heat gain ratio (VLT/SHGC)	,63	,61	,35	,33	,37	,26	,29	,27
Total solar energy rejected %	81	80	68	67	75	59	63	65
Total solar energy rejected % @60°	83							
Solar heat gain reduction %	78	77	58	55	39	34	48	30
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 %	10	10	9	9	7	8	8	8
Fade Reduction %	88	88	88	87	88	88	88	86

IR rejection

780 to 2500nm	95	96
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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