

Standard

EN410

Select product

Extreme View OSX80 Exterior

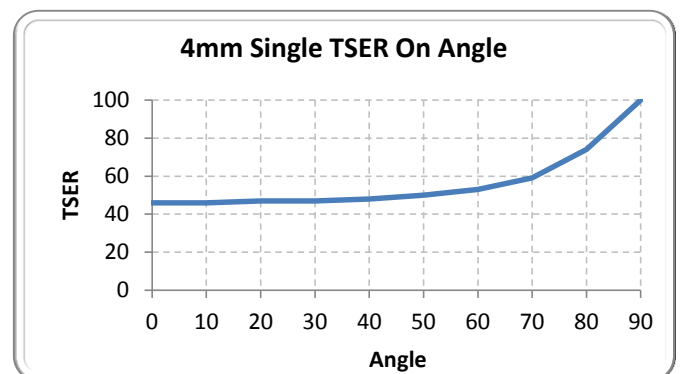
	4mm Single Clear	6mm Single Clear	4mm Double Clear	6mm Double Clear	6mm Double Low-E S#2	6mm Double Low-E S#3	4mm Triple Clear	4mm Triple LE S#2&5
Performance results								
Visible light								
Transmittance %	78	77	71	69	59	68	65	62
Reflectance exterior %	8	8	13	13	10	11	17	13
Reflectance interior %	8	8	15	15	12	11	20	14
Glare reduction %	13	14	13	14	13	14	13	13
Solar energy								
Transmittance %	44	43	39	37	27	33	35	29
Absorptance %	49	51	52	54	64	59	54	61
Reflectance %	7	6	9	9	9	8	11	10
Solar heat gain coefficient (G-value)	,56	,55	,46	,45	,31	,40	,41	,35
Light to solar heat gain ratio (VLT/SHGC)	1,40	1,41	1,53	1,54	1,88	1,70	1,58	1,79
Total solar energy rejected %	44	45	54	55	69	60	59	65
Total solar energy rejected % @60°	53							
Solar heat gain reduction %	36	35	40	40	23	36	42	31
Thermal energy								
Emissivity	,87	,87	,87	,87	,04	,87	,87	,04
Winter U-factor (W/m ² °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 %	54	54	49	48	41	47	45	42
Fade Reduction %	36	0	34	32	27	29	32	28

IR rejection

780 to 2500nm	84	85
---------------	----	----

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