

Standard

EN410

Select product

Clearview 70

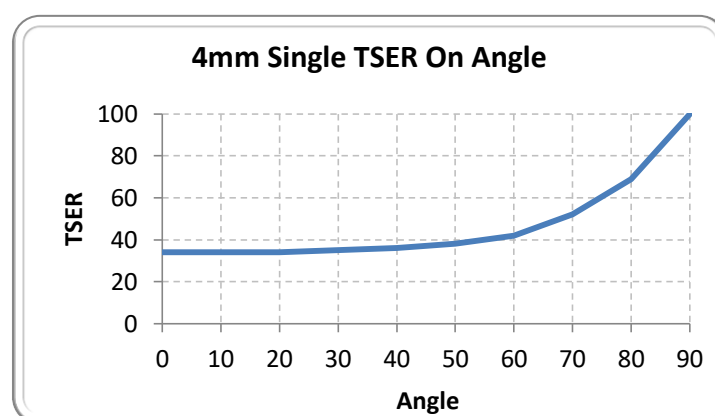
	4mm Single Clear	6mm Single Clear	4mm Double Clear	6mm Double Clear	6mm Double LE S#2	6mm Double LE S#3	4mm Triple Clear	4mm Triple LE S#2&5
Performance results								
Visible light								
Transmittance %	75	74	68	67	57	64	62	58
Reflectance exterior %	13	12	18	18	14	16	23	18
Reflectance interior %	12	12	17	16	15	15	20	17
Glare reduction %	17	17	17	17	17	19	16	18
Solar energy								
Transmittance %	60	58	53	49	29	42	46	34
Absorptance %	24	27	28	33	42	34	32	36
Reflectance %	16	15	19	18	29	24	22	30
Solar heat gain coefficient (G-value)	,66	,65	,65	,64	,38	,60	,62	,49
Light to solar heat gain ratio (VLT/SHGC)	1,14	1,15	1,04	1,05	1,47	1,07	1,01	1,20
Total solar energy rejected %	34	35	35	36	62	40	38	51
Total solar energy rejected % @60°	42	-	45	-	-	-	-	-
Solar heat gain reduction %	24	24	16	15	7	0	12	3
Thermal energy								
Emissivity	,80	,80	,80	,80	,80	,80	,80	,80
Winter U-factor (W/m²°C)	5,6	5,6	2,8	2,8	1,1	1,1	1,8	0,6
Winter heat loss reduction %	2	2	0	1	8	10	5	3
Ultraviolet light								
Blocked @ 300 to 380 nm %	>99	>99	>99	>99	>99	>99	>99	>99
Fade control								
UV Tdw-ISO @ 300 to 700 nm %	52	52	47	46	39	44	43	40
Fade Reduction Factor	39	37	36	35	32	31	35	27

IR rejection (780-2500nm)

IRER Infrared Energy Rejected %	42	44	42	45	89	60	45	76
SIRR Selective Infrared Energy Rejected %	59	61	65	-	-	-	-	-

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 according to EN410 and EN673.

IRER (Infrared Energy Rejected) = 1 - energy transmitted, absorbed and reradiated (IWFA endorsed method)

SIRR (Selective Infrared Rejection) = 1 - average unweighted transmittance