

Standard

EN410

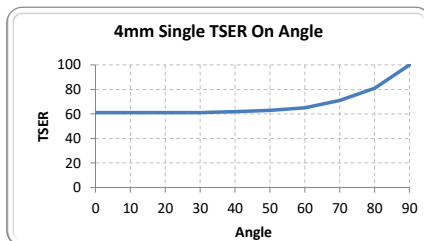
Select product

Extra Clearview 40

	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 %	42	42	38	37	32	36	35	33
Reflectance exterior %	6	6	13	13	10	11	19	14
Reflectance interior %	7	7	8	8	7	7	9	8
Glare reduction %	53	53	53	53	53	54	53	54
Solar energy								
Transmittance %	28	28	25	24	17	22	22	19
Absorptance %	47	49	50	54	55	53	52	52
Reflectance %	25	23	25	22	28	25	26	29
Solar heat gain coefficient (G-value)	,39	,39	,50	,50	,38	,56	,52	,48
Light to solar heat gain ratio (VLT/SHGC)	1,08	1,07	,76	,75	,84	,64	,67	,68
Total solar energy rejected %	61	61	50	50	62	44	48	52
Total solar energy rejected % @60°	65	-	57	-	-	-	-	-
Solar heat gain reduction %	55	54	36	33	9	7	26	4
Thermal energy								
Emissivity	,75	,75	,75	,75	,75	,75	,75	,75
Winter U-factor (W/m²°C)	5,5	5,4	2,8	2,7	1,1	1,1	1,8	0,6
Winter heat loss reduction %	4	4	1	2	9	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 %	28	28	26	25	21	24	23	21
Fade Reduction Factor	67	66	65	65	63	63	65	62
IR rejection (780-2500nm)								
IRER Infrared Energy Rejected %	78	78	68	67	90	68	65	79
SIIR Selective Infrared Energy Rejected %	95	96	96	-	-	-	-	-

Physical properties

Thickness (microns)	75	microns
Tensile Strength ASTM D 882	2110	kg/cm²
Elongation ASTM D 882	>100	%
Yield Stress (5%) ASTM D 882	1100	kg/cm²
Break Strength ASTM D 882	16,5	kg/cm
Yield Strength (5%) ASTM D 882	8,1	kg/cm
Tear Strength (Graves) ASTM D 1004	2,3	kg
Tensile Modulus ASTM D 882	#####	kg/cm²
Puncture Strength ASTM D 4830	22,7	kg
Peel Strength ASTM D 903	>985	g/cm
Poisson's Ratio ASTM D 882	0,38	
Abrasion Resistance (100 Cycles)	<5	%
ASTM D 1003-92, ASTM D 1044		


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