



- 1. HARD COAT
- 2. CLEAR POLYESTER LAYER
- 3. LAMINATE ADHESIVE
- 4. CLEAR POLYESTER LAYER
- 5. MOUNTING ADHESIVE
- 6. GLASS

PANAFlex™ CARBON CERAMIC		5%	15%	20%	35%	40%	50%	70%
Visible Light Reflected	External	5.8	5.2	6.1	5.8	6.9	6.7	8.0
	Internal	5.7	5.7	6.0	6.3	6.7	7.1	8.0
Solar Heat	Transmitted	10.5	13	16.3	23	26	39.6	57
	Reflected	5.5	5.0	5.7	5.5	6.0	6.1	7.0
	Absorbed	84	82	78	71.5	68	54.3	36
IR Rejected	900-1000nm	78	70	64	56	53	47	50
	780-2500nm	88	87	85	85	84	84	81
UV Rejected		>99	>99	>99	>99	>99	>99	>99
Total Solar Energy (TSER)		67	66	65	60	54	52	45
Shading Coefficient		.37	.39	.41	.48	.50	.54	.69
Solar Heat Gain Coefficient (SHGC)		.33	.34	.35	.40	.46	.48	.55
Thickness		1.5Mil/2Ply	1.5Mil/2Ply	1.5Mil/2Ply	1.5Mil/2Ply	1.5Mil/2Ply	1.5Mil/2Ply	1.5Mil/2Ply

Manufactured in five layers, the magic of Panaflex™ comes from the nano particles found in the laminate adhesive and hard coat layers. These nano particles give the film a boost to performance, allowing the film to block up to 80% infrared radiation and 99.9% UV, as well as giving the film its shade and beautiful look. The laminate adhesive layer contains double the glue compared to most other window films, which means a secure bond to glass while the the hard coat is strong and durable.