



NT PerLite Ceramic 35 10 mil

Mechanical Properties

Thickness	10 mil
Tensile Strength at Break	28,500 PSI
Break Strength	270 lb/inch
Elongation at Break	125 %
Peel Strength	7 lb/inch

Optical & Solar Properties

	3mm Single	6mm Double
Visible Light Transmitted	40%	37%
Visible Light Reflected (interior)	17%	18%
Visible Light Reflected (exterior)	17%	23%
Ultra Violet Block	99%	99%
Total Solar Energy Reflected	18%	21%
Total Solar Energy Transmitted	30%	26%
Total Solar Energy Absorbed	52%	53%
Emissivity (Room Side)	0.91	0.91
Glare Reduction	55%	55%
Selective InfraRed Reduction (SIRR)	33%	33%
InfraRed Energy Rejection (IRER)	26%	26%
Shading Coefficient	0.53	0.64
Solar Heat Gain Coeff. (G-Value)	0.46	0.55
U-Value Winter (IP)	1.08	0.49
U-Value Winter (SI)	6.13	2.78
Luminous Efficacy	0.76	0.58
Total Solar Energy Rejected	54%	45%

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