



NT PerLite Ceramic 35 6 mil

Mechanical Properties

Thickness	6 mil
Tensile Strength at Break	28,500 PSI
Break Strength	145 lb/inch
Elongation at Break	125 %
Peel Strength	7 lb/inch

Optical & Solar Properties

	3mm Single	6mm Double
Visible Light Transmitted	40%	36%
Visible Light Reflected (interior)	16%	18%
Visible Light Reflected (exterior)	18%	24%
Ultra Violet Block	99%	99%
Total Solar Energy Reflected	19%	22%
Total Solar Energy Transmitted	29%	25%
Total Solar Energy Absorbed	52%	53%
Emissivity (Room Side)	0.90	0.90
Glare Reduction	56%	55%
Selective InfraRed Reduction (SIRR)	86%	86%
InfraRed Energy Rejection (IRER)	69%	69%
Shading Coefficient	0.52	0.63
Solar Heat Gain Coeff. (G-Value)	0.44	0.54
U-Value Winter (IP)	1.07	0.49
U-Value Winter (SI)	6.08	2.78
Luminous Efficacy	0.77	0.58
Total Solar Energy Rejected	56%	46%

Accredited Safety Tests

Impact AS/NZS 2208 P

DS No 1226, April 2018