

# NT PerLite Ceramic 35 - 10 Mil - Solar Safety Films

Attractive, Efficient and Secure



Safety

NT PerLite Ceramic 35 - 10 Mil solar safety interior film is neutral grey in color and has excellent solar energy rejection that delivers comfort by cutting heat gain and glare. In addition, the reduced heat build up saves on cooling costs while the film's safety and security characteristics provide protection from shattered glass.

Optical and Solar Properties**	NT PerLite Ceramic 35 10 Mil	
Item Number	R270L5T	
Pane	Single	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%
Mechanical Properties	NT PerLite Ceramic 35 10 mil	
Thickness	10 mil	
Tensile Strength at Break	28,500 PSI	
Break Strength	270 lb/ inch	
Elongation at Break	125%	
Peel Strength	7 lb/ inch	

\*\* Performance results are calculated on 3 mm glass using NFRC methodology and LBNL Window 5.2 software, and are subject to variations in process conditions within industry standards and are only intended for estimating purposes.

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