

NT PerLite Ceramic 50i - Neutral Interior Films

Low reflectance, high performance



NT PerLite Ceramic 50i is a highly durable, ceramic-based interior window film. NT PerLite Ceramic 50i was developed using a proprietary patented advanced ceramic coating technology. As a result, its attractive neutral grey color delivers excellent solar energy rejection, with surprisingly low visible light reflectance. This makes NT PerLite Ceramic 50i an ideal solution for economic energy-saving projects when it's important to preserve view and retain a natural appearance - both inside and out. NT PerLite Ceramic 50i is particularly popular in residential and commercial projects.

Optical and Solar Properties**	NT PerLite Ceramic 50i	
Item Number	R069L3W / R058L3S	
Pane	Single	Double
Visible Light Transmitted	51%	47%
Visible Light Reflected (Interior)	16%	19%
Visible Light Reflected (Exterior)	18%	24%
Ultra Violet Block	99%	99%
Total Solar Energy Reflected	20%	23%
Total Solar Energy Transmitted	40%	35%
Total Solar Energy Absorbed	40%	42%
Emissivity (Room Side)	0.84	0.84
Glare Reduction	43%	42%
Selective InfraRed Reduction (SIRR)	67%	67%
InfraRed Energy Rejection (IRER)	53%	53%
Shading Coefficient	0.60	0.66
Solar Heat Gain Coeff. (G-Value)	0.51	0.57
U-Value Winter (IP)	1.04	0.48
U-Value Winter (SI)	5.91	2.73
Luminous Efficacy	0.85	0.72
Total Solar Energy Rejected (%)	49%	43%

** 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.



Graphics Solutions

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