Multi-Layer Sputtering Silver Optical Film

Multi-layer sputtering optical film is produced from the advanced high tech multi-layer metal sputtering process technology, with layers of nano-scale particles of exotic/precious silver coating using optical grade base materials. Multi-Layer sputtering is a deposition technology which has to increase the ionization rate of the gas, resulting in high-speed sputtering under low pressure. By introducing a magnetic field on the plasma density and the sputtering rate.

MODEL	VLT	IRR	UVR	TSER	Thickness
iRis 70	70%	97%	99%	60%	2 Mil
iRis 40	40%	97%	99%	67%	2 Mil
iRis 20	20%	97%	99%	74%	2 Mil

Magnetron Sputter Nano Titanium Film

PRONANO Series is produced from the advanced high tech 6-Layer magnetron sputtering process technology, with layers of nano-scale particles of exotic/precious metal (such as alloy, titanium, and silver coating) using optical grade base materials. Magnetron sputtering is a deposition technology which has to increase the ionization rate of the gas, resulting in high-speed sputtering under low pressure. By introducing a magnetic field on the plasma density and the sputtering rate.

MODEL	VLT	IRR	UVR	TSER	Thickness
Pronano 70	70%	99%	99%	60%	2 Mil
Pronano 50	49%	99%	99%	68%	2 Mil
Pronano 35	35%	99%	99%	73%	2 Mil
Pronano 20	20%	99%	99%	77%	2 Mil

3-Layer Magnetron Sputter Film

3-layer magnetron sputtering film, typically used for high-performance window tinting, involves applying thin, heat-resistant metallic alloy layers (like silver, titanium, or aluminum) onto a polyester base in a vacuum, creating a durable film that provides superior heat rejection, UV protection, and clarity without interfering with electronic signals, unlike older metalized films.

MODEL	VLT	IRR	UVR	TSER	Thickness
Sputter 70	70%	98%	99%	60%	2 Mil
Sputter 50	50%	98%	99%	64%	2 Mil
Sputter 35	35%	98%	99%	69%	2 Mil
Sputter 20	20%	98%	99%	75%	2 Mil

Nano Titanium Nitride Film

Nano titanium nitride (TiN) window film is an advanced, durable solar control film using vacuum sputtering to apply a layer of stable TiN ceramic nanoparticles, offering superior heat rejection, high UV/IR blockage, signal clarity (no GPS interference), and long-lasting color stability, making it a high-performance alternative to traditional tints for homes and cars.

MODEL	VLT	IRR	UVR	TSER	Thickness
Titanium Ntride 70	68%	99%	99%	58%	2 Ml
Titanium Ntride 50	50%	99%	99%	64%	2 Ml
Titanium Ntride 35	36%	99%	99%	69%	2 Ml
Titanium Ntride 20	18%	99%	99%	75%	2 Ml

Dual Ceramic HD Film

Dual Ceramic window film is an advanced type of window tinting technology that offers superior heat rejection, UV protection, and clarity compared to traditional films. It uses microscopic ceramic particles embedded in the film to provide excellent performance without the drawbacks of metallic or dyed tints.

MODEL	VLT	IRR	UVR	TSER	Thickness
Dual Ceramic 70	72%	98%	99%	56%	2 Mil
Dual Ceramic 50	49%	98%	99%	63%	2 Mil
Dual Ceramic 35	35%	98%	99%	68%	2 Mil
Dual Ceramic 20	15%	98%	99%	75%	2 Mil

Nano Carbon HD Film

Nano carbon HD window film works by embedding microscopic carbon particles, often combined with ceramic elements, into the film, which effectively absorb and scatter infrared (heat) and UV rays from the sun, significantly reducing heat buildup and protecting interiors without blocking electronic signals like GPS or cell service. Unlike older dyed films that fade, nano carbon offers long-lasting, rich color and excellent heat rejection, providing a cooler, more comfortable environment and better glare reduction for your car.

MODEL	VLT	IRR	UVR	TSER	Thickness
Carbon HD 70	72%	93%	99%	52%	2 Mil
Carbon HD 50	49%	93%	99%	60%	2 Mil
Carbon HD 35	34%	93%	99%	67%	2 Mil
Carbon HD 20	15%	93%	99%	71%	2 Mil

Safety & Security Film

Safety and security film helps defend what's most valuable against break-ins, vandalism, accidents, storms, seismic tremors and blasts. It's engineered for strength, using a heavy-duty polyester film that bonds to glass with strong adhesives. These, films often come in 4 to 12 mil thicknesses, providing, extra, security, protection against, flying, glass, and over 99% UV, ray, reduction. Once installed, this film provides low-profile defense for windows, glass doors, bathroom mirrors, elevator finishes and other vulnerable hard surfaces in commercial properties.

MODEL	VLT	IRR	UVR	TSER	Thickness
Clear 4mil	89%	10%	99%	14%	4 Ml
Clear 6mil	89%	10%	99%	14%	6 Ml
Clear 8mil	89%	10%	99%	14%	8 Ml
Clear 12mil	89%	10%	99%	14%	12 Ml