TITANIUM NITRIDE SERIES

XP Max

Titanium Nitride Window Film

The ceiling for heat rejection.

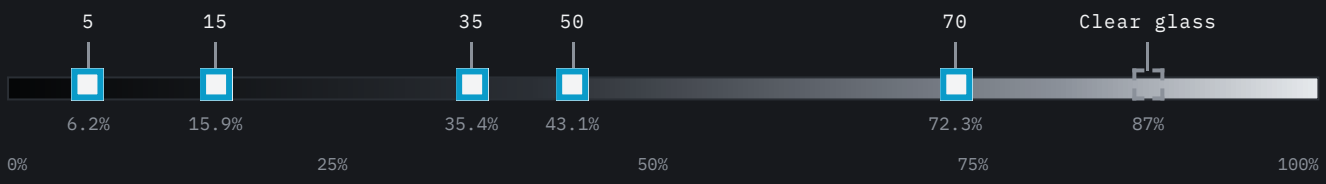
Titanium nitride technology pushes infrared heat rejection to 99.3%, the highest in the Evolution range. Even the lightest XP Max 70 rejects 88% of total solar energy, with >99% UV rejection and a 3H hard coat.

Titanium nitride | 3H hard coat | >99% UV | 2 mil



Shade range

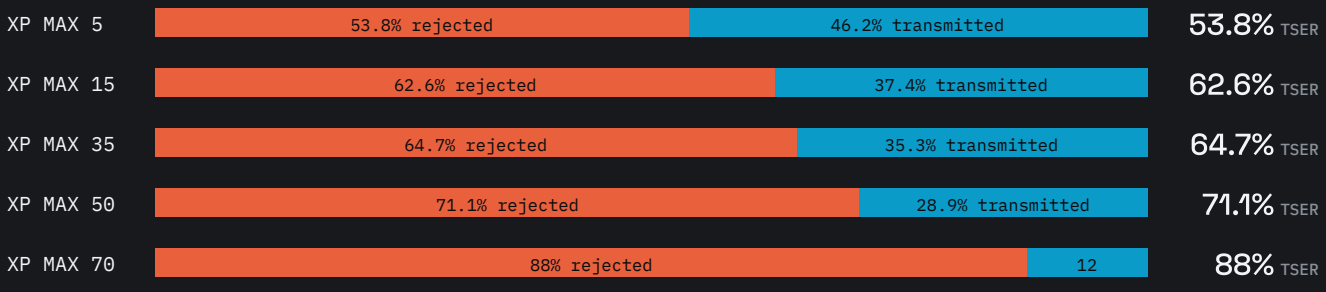
XP MAX SHADE · VISIBLE LIGHT TRANSMITTED (VLT)



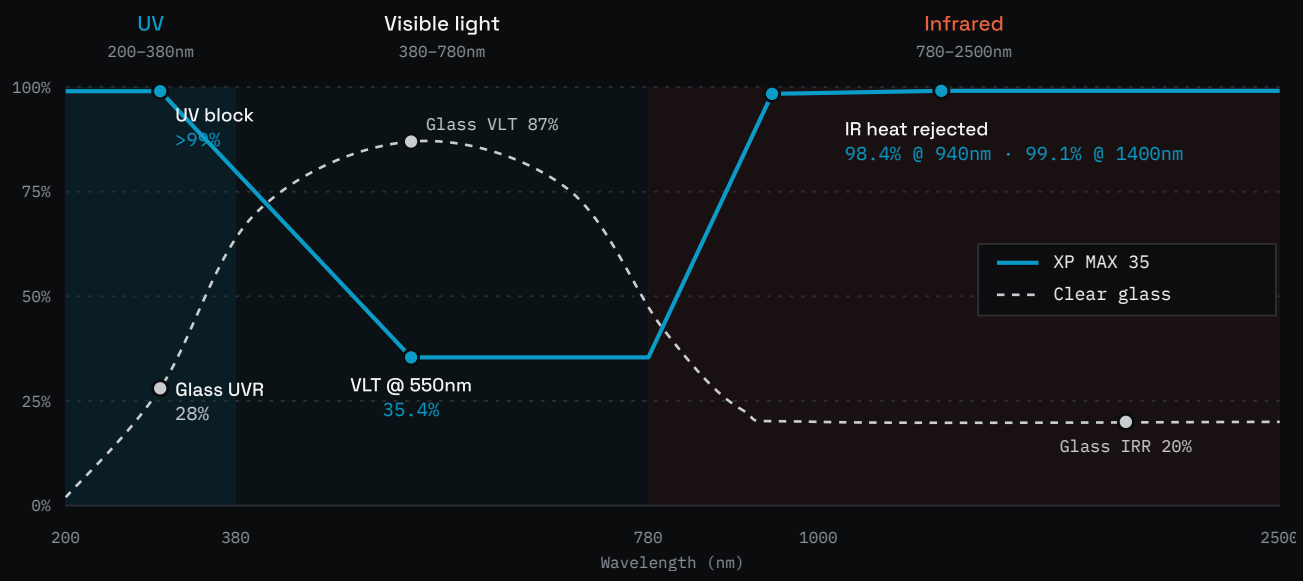
>99%	98.9%	99.3%	88%
UV rejection	IR rejection · 940nm	IR rejection · 1400nm	Solar energy rejected
Every shade	Up to · XP MAX 70	Up to · XP MAX 15	Up to · TSER · XP MAX 70

Solar Energy Use

Rejected | Transmitted | TSER = total rejected



SPECTRAL PERFORMANCE · XP MAX 35 VS CLEAR GLASS



UV and IR values show rejection; visible light shows transmission. IR heat rejection measured at 940nm and 1400nm. The curve between measured points is illustrative.

	LIGHT & UV		TOTAL SOLAR ENERGY		IR HEAT REJECTED		PHYSICAL		
SHADE	VLT	UV REJ.	TSER	TRANSMITTANCE	940NM	1400NM	HAZE	HARD COAT	THICKNESS
XP MAX 5	6.2%	>99%	53.8%	46.2%	95.5%	98.2%	0.65	3H	2 mil
XP MAX 15	15.9%	>99%	62.6%	37.4%	98.5%	99.3%	0.76	3H	2 mil
XP MAX 35	35.4%	>99%	64.7%	35.3%	98.4%	99.1%	0.85	3H	2 mil
XP MAX 50	43.1%	>99%	71.1%	28.9%	98.5%	98.8%	0.65	3H	2 mil
XP MAX 70	72.3%	>99%	88%	12%	98.9%	98.6%	0.65	3H	2 mil

XP MAX 35 vs clear glass

FILM / GLASS

Visible light transmitted — VLT · -51.6 pts

Film **35.4%** Glass **87%**

UV rejected — UVR · +71 pts

Film **>99%** Glass **28%**

Infrared rejected (1400nm) — IRR · +79.1 pts

Film **99.1%** Glass **20%**

CONSTRUCTION Titanium nitride	THICKNESS 2 mil
HARD COAT 3H scratch resistant	HAZE 0.65 to 0.85
UV REJECTION >99%, every shade	WARRANTY Lifetime
SHADES 5 · 15 · 35 · 50 · 70	INSTALLATION Authorized installers only

Values are typical and based on independent test results for film applied to clear automotive glass. Total solar transmittance is the share of solar energy not rejected (100% minus TSER). Performance varies with glass type, tint of factory glass and installation. Local regulations on window tint darkness vary; check legal VLT limits before installation. Specifications are subject to change without notice.