PRIME SPECTRA IMPERIAL

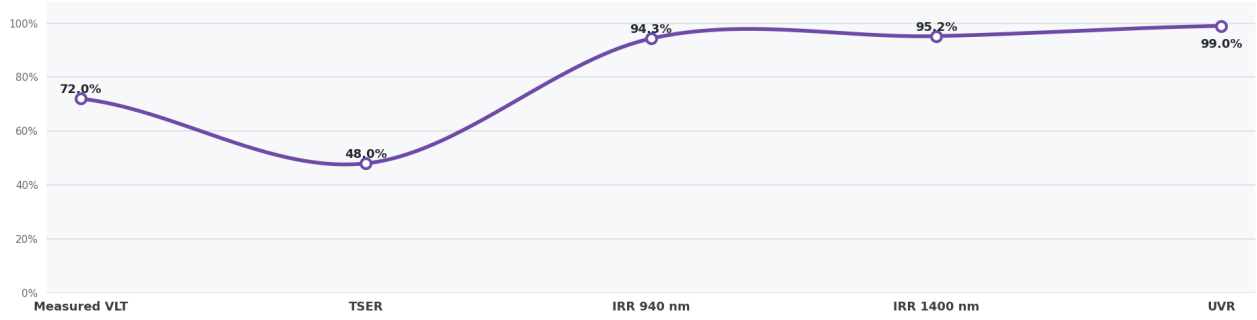
PREMIUM PURPLE OPTICAL WINDOW FILM

PRIME SPECTRA / NOMINAL 76 ± 4 µm / OPTICAL CLARITY • DISTINCTIVE TONE

Prime Spectra Imperial is a specialty optical automotive window film with a distinctive purple visual character. Its measured specification combines 72.0% visible light transmission with high infrared and ultraviolet rejection for a clear, refined glazing appearance.

72.0%	48.0%	95.2%	99.0%
MEASURED VLT	TSER	IRR @ 1400 NM	UV REJECTION

OPTICAL AND SOLAR PERFORMANCE PROFILE



Markers show the exact supplied values. Curved lines are a visual guide between independent performance indicators.

ENGINEERED MULTI-LAYER CONSTRUCTION



PRIME SPECTRA IMPERIAL PERFORMANCE DATA

NUMERIC SPECIFICATIONS BY PRODUCT VARIANT

THERMAL AND OPTICAL PERFORMANCE

VARIANT	MEASURED VLT	TSER	IRR 1400 nm	IRR 940 nm	UVR	SC
Imperial	72.0%	48.0%	95.2%	94.3%	99.0%	0.52

SOLAR TRANSMISSION, REFLECTANCE AND CLARITY

VARIANT	SOLAR TRANS.	PSA VLR	SR VLR	SOLAR REFL.	HAZE	THICKNESS
Imperial	52.1%	9.0%	9.5%	8.3%	0.62	76 ± 4 µm

CONSTRUCTION LAYER DEFINITIONS

ABBREVIATION	FULL NAME	FUNCTION
SR	Scratch-resistant hard coat	Protects the film surface against scratches and abrasion.
BF	PET base film	Provides strength, stability and optical performance.
CORE	12-layer double-silver metallized coating	Sputter-deposited silver, aluminium, nickel-chromium, titanium, chromium and dielectric layers absorb and reflect infrared radiation and solar energy.
BF	PET base film	Enhances structural stability and durability.
CLEAR	Clear adhesive layer	Provides optical clarity and strong adhesion to glass.
RF	Release film	Protects the adhesive before installation and is removed during fitment.

TECHNICAL DEFINITIONS

TERM	DEFINITION
VLT	Visible Light Transmission: percentage of visible light transmitted through the film.
TSER	Total Solar Energy Rejection: total incident solar energy rejected by the film/glass system.
IRR	Infrared Rejection measured at the stated wavelength; it is not equivalent to full-spectrum TSER.
UVR	Ultraviolet Rejection.
SC	Shading Coefficient, reported by the supplier as SHGC / 0.87.
VLR	Visible Light Reflectance measured from the adhesive (PSA) side or scratch-resistant (SR) side.
Solar trans. / refl.	Total Solar Transmittance / Reflectance measured across 300-2500 nm.

APPLICATION AND PRODUCT NOTES

ITEM	DETAIL
Application	Professional installation on compatible automotive glazing. Installer must confirm local legal VLT requirements before fitment.
Options	Spectra Imperial is supplied as one optical specification with a measured VLT of 72.0%. Measured values remain subject to normal test, glass and manufacturing tolerances.
E-warranty	Eligible Prime installations are protected through Sentrix digital e-warranty registration by an authorised installer, subject to prevailing terms and exclusions.