

PRODUCT DATA SHEET
ULTRAGUARD SERIES
TPU CLEAR PPF

Engineered with state-of-the-art technology



LUXONCO

Basic Parameters	Specification	Unit	Test Result
Color	Colorless and Transparent	/	Colorless and Transparent
Top Pet Film Thickness	50±2	µm	52
Liner Pet Film Thickness	85±3	µm	87
Products Total Thickness	185±5%	µm	192
Glossy	≥90	/	95.1
Haze	≤0.8	/	0.73
Visible Transmittance	≥80	/	91.5
Uv Rejection	>90	/	98.0
QUV Ageing Resistant	ΔE*ab<2	/	0.27
Hydrophobic	Hydrophobic	/	Hydrophobic
Surface Permeability Resistance	slight/no trace	/	slight traces
Thermal Self-Healing	100% self-healing	/	100% self-healing
Acrylic Layer Peeling Force/20min	>600	gf/inch	1294
Acrylic Layer Peeling Force/24h	>1000	gf/inch	1594
Tear Strength	≥40	KN/m	76.1
Elongation At Break Of Coating	>80	%	118
Tensile Strength	>15	MPa	26.4
Elongation At Break Of PPF	>280	%	375.3
100% Modulus	>6	MPa	8.6

ULTRAGUARD SERIES TPU CLEAR PPF series provides you with a better and longer-lasting protection experience. The excellent TPU material has super stability, no yellowing for a long time, super anti-fouling, strong anti-corrosion. Excellent tensile properties, the elongation at break exceeds 400%. Remains soft and greatly reduces the difficulty of construction. Superior warranty up to 10 years, bringing the top protection experience to your car.

Features:

Ultra-High Advanced Protection

- Offers unmatched defense against scratches, rock chips, road debris, and environmental contaminants.
- Excellent weather resistance, sustaining surface protection for up to 10 years, effortlessly handling harsh environmental conditions.

High Clarity, Lifelong Transparency

- Provides crystal-clear transparency to maintain the original appearance of the vehicle's paint.
- It has an exceptional resistance to yellowing and aging, significantly reducing the likelihood of the protective film turning yellow, maintaining a long-lasting invisible effect.

Extremely Hydrophobic and UV Resistant

- Repels water, dirt, and other contaminants, making cleaning and maintenance effortless.
- Incorporating industry-leading technology, it possesses hydrophobic and oleophobic properties.
- Protects against fading and discoloration caused by prolonged exposure to sunlight.

Stain-Resistant Self-Cleaning, Long-Lasting Shine

- Contains self-healing properties that can erase minor scratches and swirl marks with exposure to heat.
- Creating a lotus leaf effect for stain resistance and self-cleaning, ensuring a long-lasting, shiny appearance.

Quality Assurance, 10-Years

- Engineered to withstand the rigors of daily driving and maintain its protective properties for years to come.
- 10-years quality guarantee, ensuring worry-free after-sales service.

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