

PRODUCT DATA SHEET
ULTRABOND SERIES

Polycarbonate PPF

Engineered with state-of-the-art technology



LUXONCO

Properties

Material:	Polycarbonate TPU (polymer blend)
Thickness:	7.5 mil, 10 mil, 12 mil and 16 mil
Maximum force(N)	41.9
Elongation at break of PPF (%)	266
Tensile Strength (MPa)	8.9
Modulus of elasticity (MPa)	4.8
100% Constant elongation force(N)	26.084
Elongation at break of coating	90
100% modulus (MPa)	5.6
Tear strength (KN/m)	41.7
Heat healing	100% self-healing
Haze	0.27
Glossy	96.3
Hydrophobic or Hydrophilic	Hydrophobic
Visible transmittance (%)	94.1

ULTRABOND SERIES Polycarbonate PPF is a premium paint protection film designed to offer superior protection for automotive surfaces. Engineered with state-of-the-art technology, this film provides a durable barrier against scratches, stone chips, and environmental damage, preserving the pristine appearance of your vehicle.

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 15 years, effortlessly handling harsh environmental conditions.

High clarity, lifelong transparency

- Provides crystal-clear transparency to maintain the original appearance of the vehicle's paint using polycarbonate high molecular polymer with high transparency, enhancing its aesthetic appeal.
- 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

- Polycarbonate PPF have 3 to 4 times longer water resistance compared to Polycaprolactone PPF.
- 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.

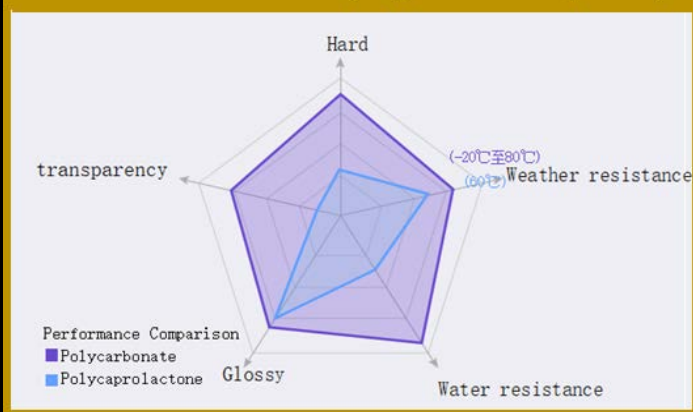
Stain-resistant self-cleaning, long-lasting shine

- 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, 15-years

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

Extreme water resistance (Diagram for Comparison)



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