# PRODUCT DATA SHEET ULTRABOND SERIES Polycarbonate PPF

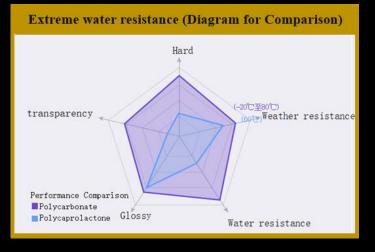
Engineered with state-of-the-art technology





#### **Properties**

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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



LUXONCO GLOBAL LLC 5830 E 2ND ST, STE 7000 #15659 CASPER, WYOMING - WY 82609 UNITED STATES OF AMERICA (UNITED STATES) www.luxonco.com **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 selfcleaning, 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 aftersales service.

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