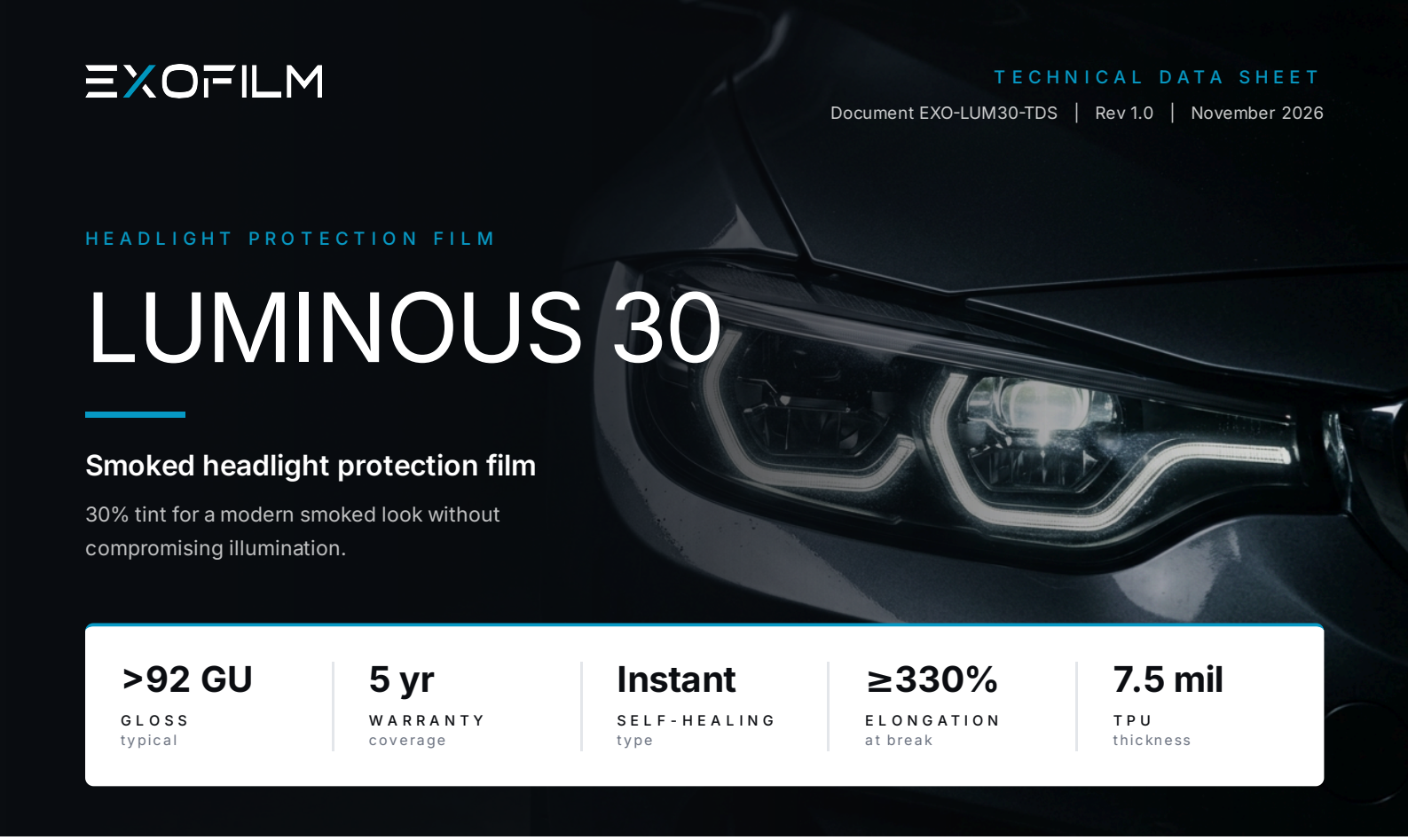


HEADLIGHT PROTECTION FILM

LUMINOUS 30

Smoked headlight protection film

30% tint for a modern smoked look without compromising illumination.

>92 GU	5 yr	Instant	≥330%	7.5 mil
GLOSS typical	WARRANTY coverage	SELF-HEALING type	ELONGATION at break	TPU thickness

KEY FEATURES

30% dark smoke tint

Modern smoked look for front and rear lights without reducing beam output.

Aliphatic TPU construction

7.5 mil TPU with >21 MPa tensile strength shields paint from stone chips and road debris.

Instant self-healing

Minor surface marks recover without the need for applied heat.

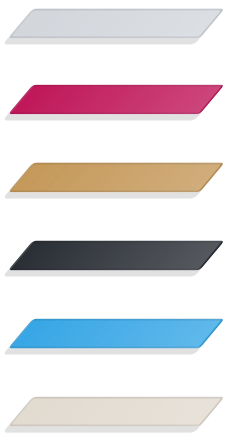
Hydrophobic ExoCoat top-coat

Repels water, dirt and contaminants for easier maintenance.

Stainguard protection

Resists staining and yellowing; no detrimental effect from common chemicals.

CONSTRUCTION



1. **Removable PET film** — Protective capsheet
2. **ExoCoat top-coat** — Hydrophobic self-healing top coat
3. **Stainguard layer** — Anti-staining, anti-yellowing layer
4. **Aliphatic TPU** — 7.5mil TPU film
5. **Pressure sensitive adhesive** — Bonds the film to the paint
6. **Release liner** — Polyester, removed before install

Exploded view, not to scale.

MATERIAL & DURABILITY

Warranty **5 Years**	Color **Dark Smoke**	Capsheet material **PET**
Self-healing type **Instant Healing**	Liner **Polyester**	Hydrophobic **Yes**

Typical values for reference; not specifications.

LUMINOUS 30 | HEADLIGHT PPF

Test Results & Performance Data

SURFACE PERFORMANCE

PROPERTY	RESULT	TEST CONDITION
Stain resistance	No detrimental effect	Acetone, Gasoline, Armor All, Diesel, Motor Oil, Soap & Water, 100% Isopropyl Alcohol Immerse for 35 mins, check after 24 h for change
Anti-aging	ΔE<2, >85% gloss retention	Heat Aging, Xenon Weathering, EMMAQUA Aging Exposure to UV, IR and humidity reflecting 3 years of real life use
UV test	6000 Hours Pass	UV exposure
Gloss	>92 GU	Typical value

ELONGATION AT BREAK

typical tensile test

TPU film **≥330%**

Track end = 500% elongation. Tensile strength >21 MPa.

ADHESION BUILD

20 minutes **1243 gf/inch**

24 hours **1620 gf/inch**

Peel adhesion increases 30% from 20 minutes to 24 hours. Track end = 2000 gf/inch.

MECHANICAL PROPERTIES

TPU thickness	7.5mil
Tensile strength	>21 MPa
Elongation at break	≥330%
Temperature resistance	−40°C ~ 120°C
Application temperature	55–90°F (13–32°C)

ABOUT LUMINOUS 30

LUMINOUS 30 is a specialized, high-performance headlight protection film engineered to deliver heavy-duty defense and sleek styling for your vehicle's optics. Crafted with a 30% tint, it transforms front and rear lighting units with a subtle, modern smoked aesthetic without compromising illumination or beam output. Built from durable, optically clear TPU, LUMINOUS 30 shields delicate headlamp lenses against high-velocity road debris, stone pitting, micro-abrasions, and UV-induced yellowing or clouding. Featuring self-healing properties and an advanced hydrophobic top layer, it keeps headlights looking clear, aggressive, and pristine under all driving conditions.

- **Stain resistance** — No detrimental effect
- **Anti-aging** — ΔE<2, >85% gloss retention
- **UV test** — 6000 Hours Pass
- **Application** — Wet only

GLOSS

>92 GU TYPICAL

WARRANTY

5 Years Subject to the published warranty terms.

CONTACT

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NOTES

All values are typical, obtained under laboratory test conditions, and are not specifications. Actual performance varies with surface preparation, installation, environmental exposure and maintenance. Installation by trained professionals is recommended. EXOFILM may revise this data sheet without notice.