

## DYNOsmoke

### HEADLIGHT PROTECTION FILM DATA SHEET

DYNOsmoke headlight protection film (HPF) is a colored thermoplastic polyurethane (TPU) film with a special top coat on the surface. It changes the color of the headlight from white to smoke color while providing optimal protection for the headlights against water marks, insects, bird droppings, road oils, yellowing caused by smoke and pollution as well as gloss out on the surface.

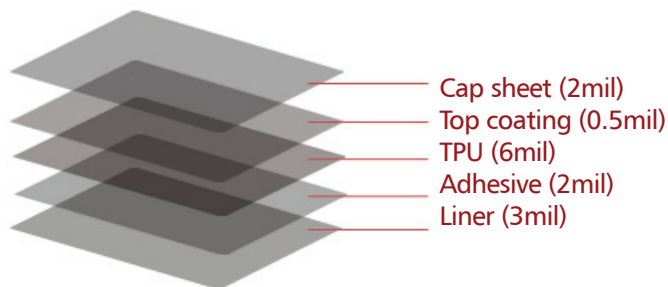
With its excellent shock-proofing properties it protects the headlights against chipping, scratches and car wash brushes. On top of that, the DYNOsmoke film is self healing quickly from tiny scratches.

DYNOsmoke offers a 7-year warranty.

#### TOP COATING SURFACE PROPERTIES

- Water-repellent (Hydrophobic)
- Self-healing
- Anti-contamination

#### STRUCTURE



#### FILM MATERIAL

This film is a polycaprolactone based, aliphatic TPU (thermoplastic polyurethane) film. It is a low gel, non-yellowing, UV resistant film, and is used in a wide range of outdoor exposed vehicle protection applications.

#### ADHESIVE PROPERTIES

- Removable
- Repositionable high-performance solvent acrylic
- Non-yellowing

#### PHYSICAL PROPERTIES

VLT	45%
Thickness	8mil (203 micron)
Gloss Value	>80 at 60° angle
Tensile Strength	45MPa (D-412)
Elongation at Break	450% (D-412)
Outdoor Weathering	No change (6500W Xenon Arc, Irradiance:0.51 W/m <sup>2</sup> (340nm), 65°C Humidity 50% R.H. 1000 hours)