

DYNOshade

HEADLIGHT PROTECTION FILM DATA SHEET

DYNOshade 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 tint 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.

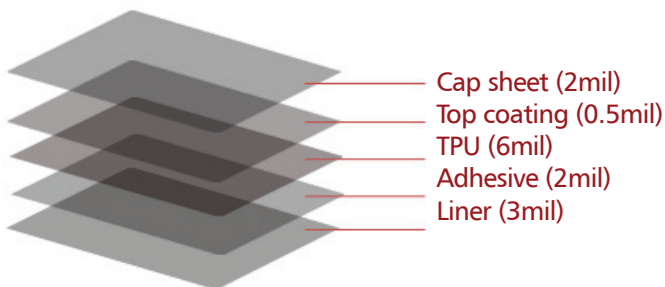
With its excellent shock-proofing properties it protects the headlights against chipping, scratches and car wash brushes. On top of that the DYNOshade film is self healing quickly from tiny scratches.

DYNOshade 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

Thickness	8mil (203 micron)
Tensile Strength	34MPa (D-412)
Elongation at Break	550% (D-412)
Haze	> 1% (ASTM D-1003)
Outdoor Weathering	No change (6500W Xenon Arc, Irradiance:0.51 W/m ² (340nm), 65°C Humidity 50% R.H. 1000 hours)