

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.

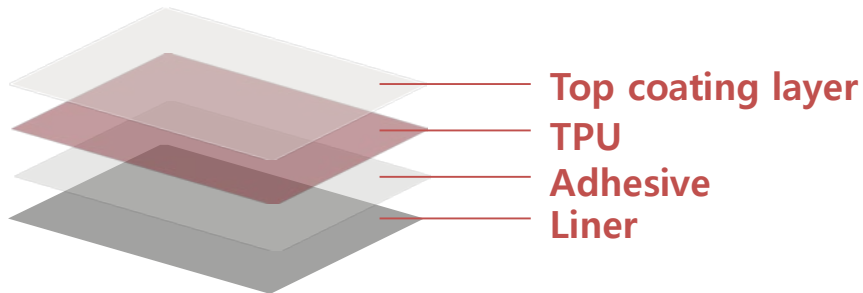
TOP COATING SURFACE PROPERTIES

- ✓ Water repelling (Hydrophobic)
- ✓ Self healing
- ✓ Anti contamination

FILM MATERIAL

This film is a polycaprolactone based, aliphatic TPU film. It is a low gel, non yellowing, UV resistant film, and is used in a wide range of outdoor exposed vehicle protect application.

FILM STRUCTURE



PHYSICAL PROPERTIES

Urethane Film Thickness	150 ± 3µm
Taber Abrasion	< 3.5g / 1000g (ASTM D-1044)
Gloss Value	> 80 gloss units
Tensile Strength	6500 psi (D-412)
Elongation at Break	450% (D-412)
Outdoor Weathering	No change

ADHESIVE PROPERTIES

Removable, Repositionable high performance acrylic, Non-yellowing