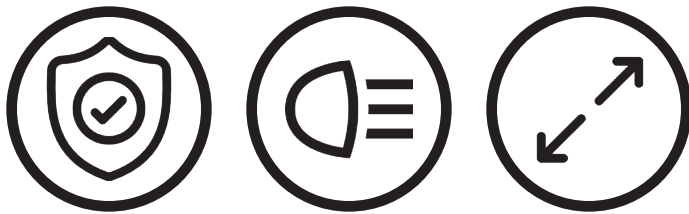
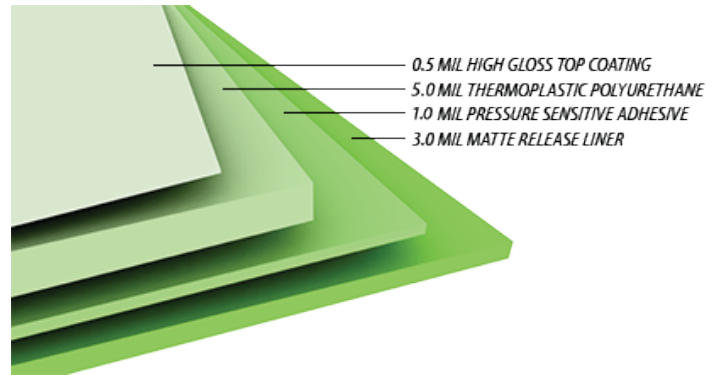


## PRODUCT SHEET

### HEADLIGHT PROTECTION FILM (HDL)

(available in 20%, 35%, and 50% VLT)

Constructed out of durable, American polyurethane, this film provides a physical barrier for headlights and taillights. Forget about scratches, rock chips, streaks, and swirls, because this tinted protection film is formulated to handle every hazard the road throws at it. Instantly add to the luxury of a vehicle while retaining its value by using HDL, FlexiShield's premium headlight protection film.



### PROTECTION FOR THE ROAD AHEAD

- SELF-HEALING**

The ability to heal is an advanced feature inside the film's coating called thermoplastic polyurethane (TPU), a flexible thermoplastic layer that can self-heal once damage occurs. Slight abrasions, scratches or outdoor hazards can be averted with this advanced chemical property.

- CLARITY**

FlexiShield HDL is designed to enhance both the look and the protection of headlights. Make no mistake, however, no clarity was sacrificed in giving this film a slight tint. In fact, haze level for HDL produced testing results under 1.6%.

- TENSILE STRENGTH**

With elongation measured up to 350%, not only is HDL rewarding to install, it stands up to years of abuse on the road. You will not see it tear or split easily.

		Testing Standard
Thickness Total	6.5 mil	
Top Coating	0.5 mil	PCE Thickness Gauge
TPU	5.0 mil	
Adhesive	1.0 mil	
UV Acceleration	1200 Hours, 120° F - Pass	
TPU Haze Δ After 3000 Hours	1.6%	ASTM D1003-13 Original 0.8
Yellowing Δ After 1200 Hours	< 1.2%	ASTM D1925-70
Self Healing Δ After 3000 Hours	Pass	Lab Testing
Elongation	350%	ASTM 6775-13
Cold Slam	No cracking or Peeling	TPJLR.52.055
Stain Resistance	No cosmetic defects	Lab Testing
20 Degree Gloss	> 78 GU	Gloss Meter 20 Degree
Chip Resistance	No Damage on paint	ASTM D3170
Peel Adhesion	449.0 N/m 41 oz/in	20 minutes at room temperature
	481.0 N/m 44 oz/in	24 hours at room temperature
	514.0 N/m 47 oz/in	1 week at room temperature