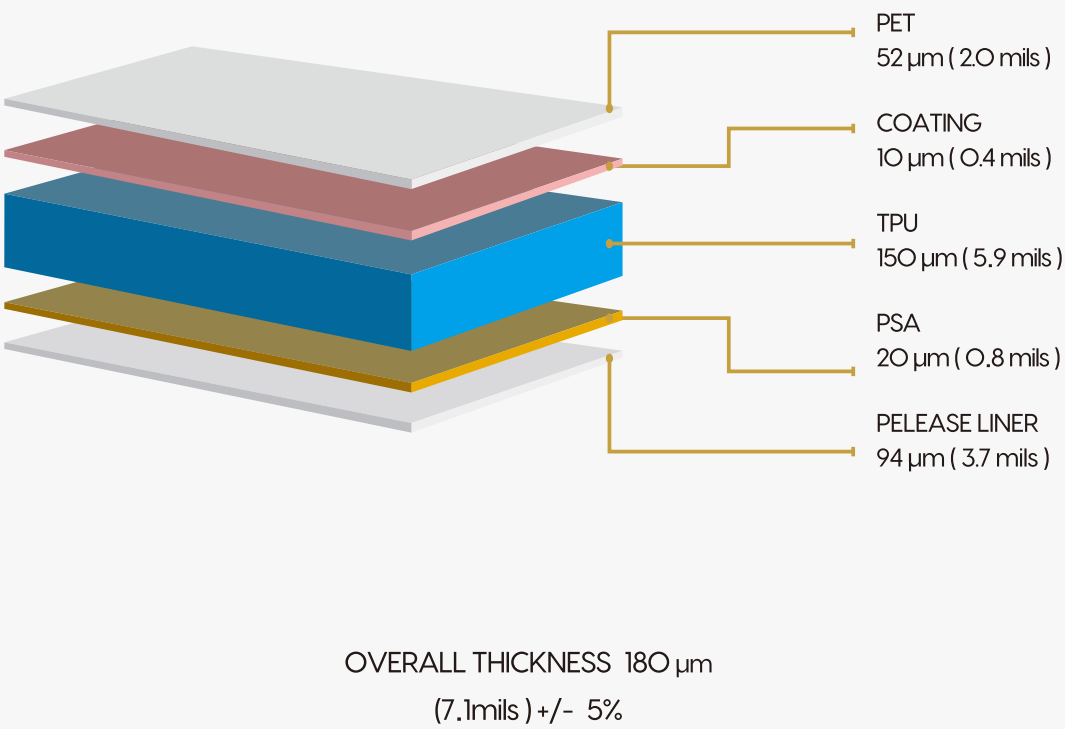


# PRODUCT DESCRIPTION

## HEADLIGHT-HY85

There are three products in the Headlight TPU series, namely H50, H25, hy85.It’s top TPU color changing headlight film which is made of UPPF's exclusive Platiccoat™ coating.It has performance of changing headlight color anti-cracking prevent headlight from aging,special for car owners who persue texture effect.



# PRODUCT DESCRIPTION

HEADLIGHT HY85		GENERAL CHARACTERISTICS	
Properties	Typical Values	Testing Conditions	Standards Used
peel strength	5.5 N/cm >7 N/cm >7 N/cm >7 N/cm >7 N/cm	20 mins at room temperature 72hrs at room temperature 168hrs at 70℃ temperature 168hrs by accelerated aging at 35℃ 100% humidity	PSTC 101
TPU thickness	5.9mils	Micrometer	GB/T 6672-2001
Total thickness coating+polyurethane+PSA	7.1mils	Micrometer	GB/T 6672-2001
PET thickness	2.0mils	Micrometer	GB/T 6672-2001
Release liner thickness	3.7mils	Micrometer	GB/T 6672-2001
Tensile strength	21.6MPa		ASTM D882
Elongation	322%		ASTM D882
Coating Elongation	107%		ASTM D882
Tear strength	69.6N/mm		ASTM D624-00(2007)
Puncture strength	13.8N		GB/T 10004
Glossiness	>93GU	60° angle	ASTM D523
UV resistance	100%		GB/T 18830
Maximum service temperature	116℃		
Water Immersion Heat age Shrinkage ratio UV aging Xenon aging	PASS-no change PASS-no change <0.2% PASS-no change PASS-no change	water immersion for 16days at 40℃ 16days at 80℃ 48hrs at 80℃ UV (SUV W161) UV (SUV W161) for 21 days Xenon Arc 2,000 hrs	
Stone chip resistance	PASS-no change		SAE J400
Water&soap resistance Acid resistance Gasoline resistance Diesel fuel resistance Motor oil resistance Lacquer thinner resistance grease cleaner resistance Acetone resistance	PASS-no change PASS-no change PASS-no change PASS-no change PASS-no change PASS-no change PASS-no change PASS-no change	check the change for 24hrs after 30 mins immersion	
Stone chip resistance	PASS-no change	Taber Abrasion	