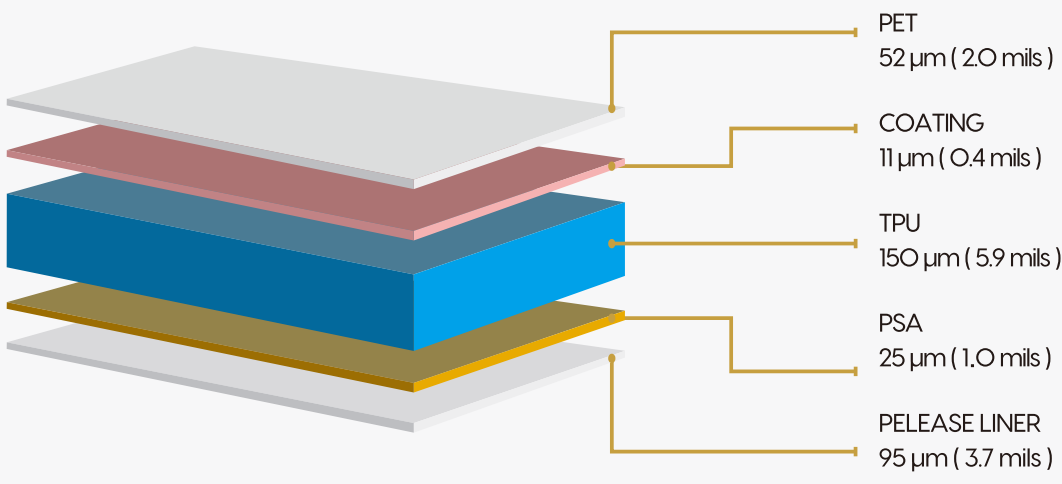


PRODUCT DESCRIPTION

COLOR TPU SERIES-Mirror Black

MIRROR BLACK is the product of UPPF hi-end Color TPU Series .with the ultra-bright black effect like mirror,defines the black paint effect.It's made of UPPF's exclusive PLATICOAT™ coating， so it has leading anti-fouling and self-healing function to keep the effect lasting.



OVERALL THICKNESS 186 μm  
( 7.3mils ) +/- 5%

PRODUCT DESCRIPTION

| Mirror Black   |  | GENERAL CHARACTERISTICS  |                    |
|--|--|--|--------------------|
| Properties   | Typical Values   | Testing Conditions   | Standards Used     |
| peel strength  | 5.3 N/cm<br>>7 N/cm<br>>7 N/cm<br>>7 N/cm<br>>7 N/cm   | 20 mins at room temperature<br>72hrs at room temperature<br>168hrs at 70℃ temperature<br>168hrs by accelerated aging at 35℃<br>100% humidity | PSTC 101           |
| TPU thickness  | 5.9mils  | Micrometer   | GB/T 6672-2001     |
| Total thickness<br>coating+polyurethane+PSA  | 7.3mils  | 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   | 21.3MPa  |  | ASTM D882          |
| Elongation   | 310%   |  | ASTM D882          |
| Coating Elongation   | 108%   |  | ASTM D882          |
| Tear strength  | 64.6N/mm   |  | ASTM D624-00(2007) |
| Puncture strength  | 13.5N  |  | GB/T 10004         |
| Glossiness   | >94GU  | 60° angle  | ASTM D523          |
| UV resistance  | 100%   |  | GB/T 18830         |
| Maximum service temperature  | 116℃   |  |                    |
| Water Immersion<br>Heat age<br>Shrinkage ratio<br>UV aging<br>Xenon aging  | PASS-no change<br>PASS-no change<br><0.2%<br>PASS-no change<br>PASS-no change  | water immersion for 16days at 40℃<br>16days at 80℃<br>48hrs at 80℃ UV (SUV W161)<br>UV (SUV W161) for 21 days<br>Xenon Arc 2,000 hrs         |                    |
| Stone chip resistance  | PASS-no change   |  | SAE J400           |
| Water&soap resistance<br>Acid resistance<br>Gasoline resistance<br>Diesel fuel resistance<br>Motor oil resistance<br>Lacquer thinner resistance<br>grease cleaner resistance<br>Acetone resistance | PASS-no change<br>PASS-no change<br>PASS-no change<br>PASS-no change<br>PASS-no change<br>PASS-no change<br>PASS-no change<br>PASS-no change | check the change for 24hrs<br>after 30 mins immersion  |                    |
| Stone chip resistance  | PASS-no change   | Taber Abrasion   |                    |