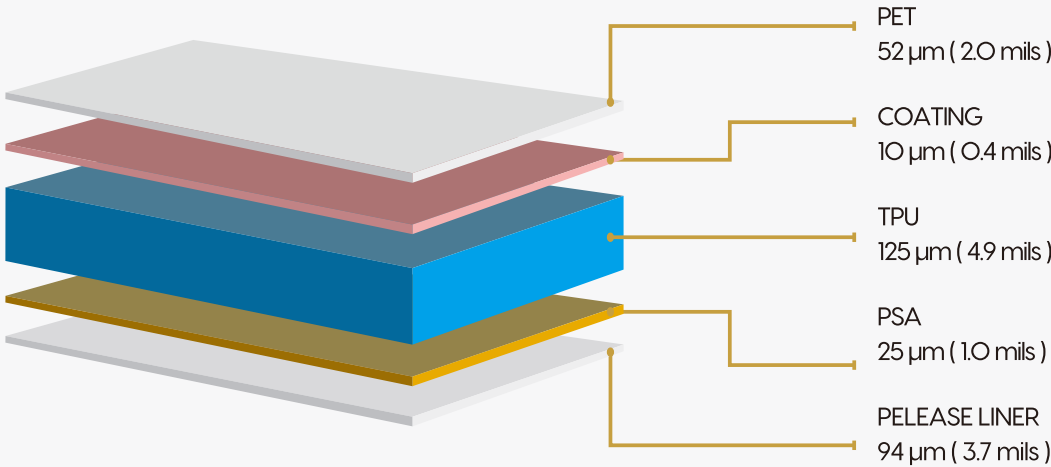




PRODUCT DESCRIPTION

MAGIC TPU SERIES

Magic TPU series has four products, namely magic blue, magic pink and magic gold .It will show amazing color changing effect on different color surface, and from different angle of light,it shows flowing magic effect.It’s made of UPPF’s exclusive PLATICOAT™ coating so it has leading function of anti-fouling,self-healing to keep perfect magic effect for long.



OVERALL THICKNESS 165 μm
(6.5mils) +/- 5%

PRODUCT DESCRIPTION

MAGIC TPU SERIES			GENERAL CHARACTERISTICS
Properties	Typical Values	Testing Conditions	Standards Used
peel strength	5.7 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	4.9mils	Micrometer	GB/T 6672-2001
Total thickness coating+polyurethane+PSA	6.5mils	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	27.9MPa		ASTM D882
Elongation	317%		ASTM D882
Coating Elongation	115%		ASTM D882
Tear strength	65.1 N/mm		ASTM D624-00(2007)
Puncture strength	13.7N		GB/T 10004
Glossiness	>94GU	60° angle	ASTM D523
UV resistance	99.2%		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	