

# OPTOTEC MATERIALS CO., LTD.

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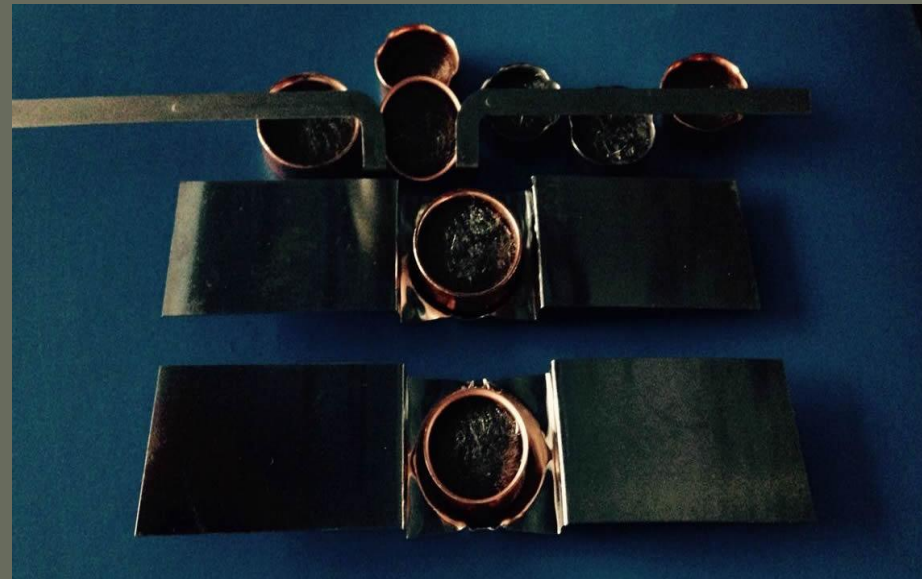


## AF (Anti-finger/fouling) Tablet

It is a type of organic silane compound which based on a special structure Fluorine ether polymer, it evaporated in vacuum chamber then a thin-film layer Formed on the surface of substrate, this thin-film layer with the excellent function of anti-finger/fouling

# Products Profile

Product	Serial of TIDE-S	Serial of TIDE-E
Machine Type	VACOS type coating machine with several pills(4, 6, 8, 10, 16) per coating run	Other coating machine with one pill per coating run
Evaporation Method	Molybdenum boat	Molybdenum boat or EB gun
Application	Cover glass, camera, other touch panel product	
Material of Substrate	Temper Glass, Sapphire, Ceramic, Metal	
Cap Type	Copper or SUS cap	



# Property of Product

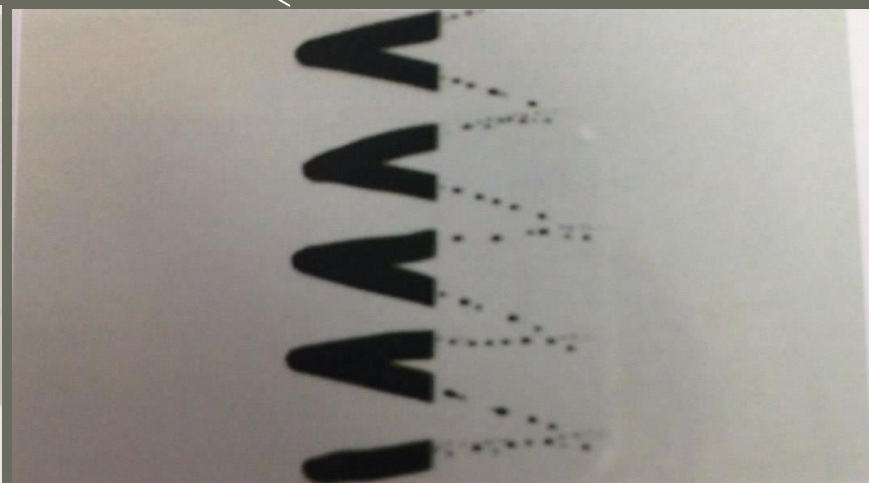
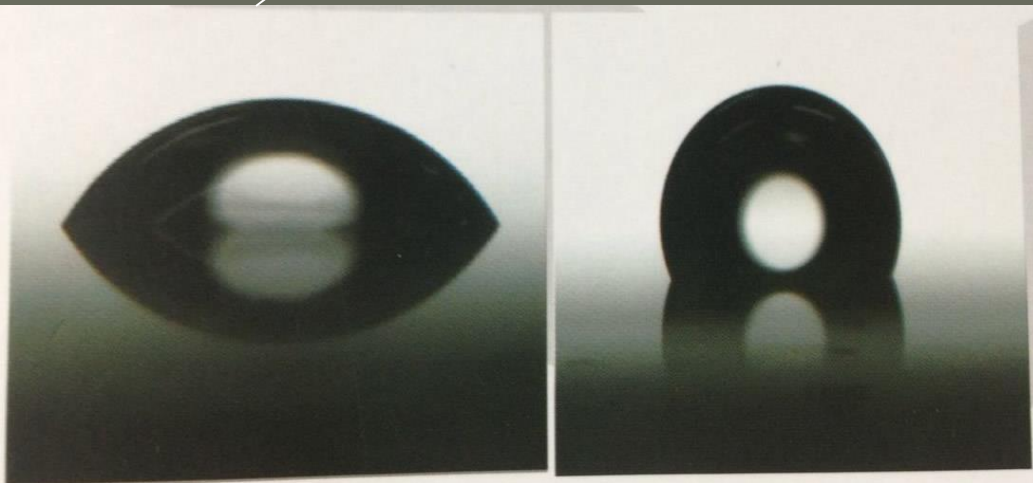
- ◆ Excellent function of anti-finger
- ◆ Excellent function of anti-fouling
- ◆ Excellent function of friction resistance
- ◆ Excellent function of smooth degree in substrate surface
- ◆ The optical property effect for substrate



No AF coating

After AF coating

No AF coating



After AF coating

Contact angle of water testing

Marker pen testig



# Performance of Product

Grade of Tide-S/Tide-E AF Pill	A grade	B grade	C grade
Initial Contact Angle of Water	>115°	>110°	>110°
Friction Resistance	>110° after 3,000 cycles	>105° after 3000 cycles	>100° after 3,000 cycles
Friction Coefficient	0.03	0.03	0.04
Pencil Hardness	>8H	8H	7H
Remarks of the Above Test	<u>Friction Resistance:</u> 1. 0000#SW or Dia. 6mm industrial rubber 2. Area of contact: 10*10mm, 3. Frequency: 60cycle/Min 4. Counterweight: 1000g 5. Distance of run: 40mm		
	<u>Friction Coefficient:</u> 1. Standard of GB100006 2. Friction medium: double A4 paper		
	<u>Pencil Hardness:</u> 500gf, 45°		

# Application

## Display



Monitor, Notebook, TV, Digital Camera, Audio, DVD Player, Head-Up Display, All-in-one PC, Slate PC

## Mobile



Smart phone, Cell-phone, Portable Video player, Display Window, Tablet PC, E-book, All sorts of Key, Exterior Case.

## Camera



Lens of Camera, image Sensor, Lens of Observation (General and Military Use), Security Camera, All sorts of Key, Exterior Case.

## Car



Wind shield, Car Windows, Room-Mirror, side-Mirror, Dashboard, Navigation, All of Button.

## Others



Optical lens, Glass lens, Goggles, 3D Glasses, Bike Helmet, Sunglasses.

# Thank you!

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