

# Light Blocking PET Tapes

## Light Blocking Solutions



### LIGHT BLOCKING PET TAPE RANGE

High opacity tapes in the scope of the visible spectrum <0.3 % light transmission by ASTM D 1003 light blocking @ 10,000 Lux of light strength without pin hole  
Extra opacity tapes in the scope of the visible spectrum 0 % light transmission by ASTM D 1003 light blocking @ 20,000 Lux of light strength without pin hole  
Black PET tapes which are light blocking by nature

### DURABILITY / EASE OF USE

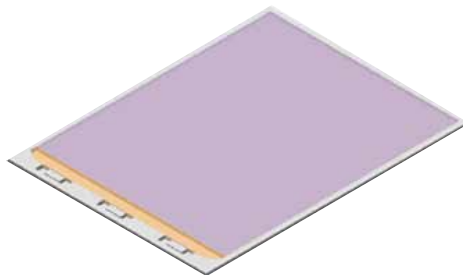
- The unique composition of modified acrylic adhesive provides exceptional durability
- Double coated PET liners bring tape with smooth surface, easy die cutting and moisture resistance
- Wound on plastic cores and wrapped in plastic films to eliminate paper fiber contamination

### BONDING PERFORMANCE

- High bonding strength to common plastics and glass, printed and coated surfaces

### APPLICATION FLEXIBILITY

- Suitable for wide range of light blocking applications
- Various gasket applications such as window lens gasket and speaker gasket
- Spacer tape application of back light unit or bonding light bar to LCD module



### EVERY DENNISON LIGHT BLOCKING SOLUTIONS

Avery Dennison light blocking solutions are designed for a wide range of high end electronic components requiring high level of light blocking and bonding strength. Light blocking PET tapes offer excellent light blocking, optimal tack, adhesion and cohesion performance. Double coated PET tapes offer high temperature resistance, chemical, UV and humidity resistance for durability.

Avery Dennison light blocking PET tapes are designed to provide strong tack and adhesion bonding to multiple ranges of optical polymers. Wide range of product portfolio offers different solutions from light blocking to component design.

# Intelligent Solutions

## OVERALL FEATURES

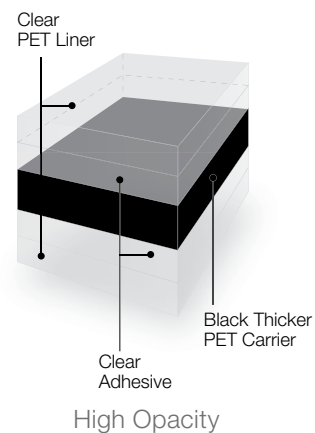
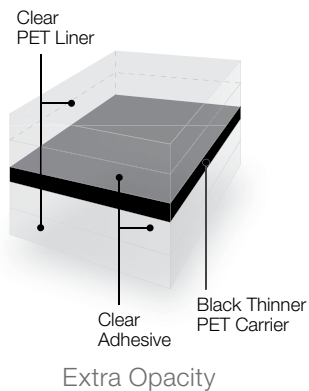
- Black PET carrier with different light blocking characteristics
- High bonding strength to common plastics and glass, printed and coated surfaces
- Excellent environment resistance properties
- Double PET liners bring tape with smooth surface, easy die cutting and moisture resistance
- Wound on plastic cores and wrapped in plastic to eliminate paper fiber contamination

## TYPICAL APPLICATIONS

- Screen cover (PMMA or PC, Glass) to the housing (Aluminum or ABS + PC)
- Keyboard (PMMA or PC, Glass) to the housing (Aluminum or ABS + PC)
- Different PET films within back light unit module such as reflector, light guild plate, diffusion sheet and brightness enhancement film
- Bonding back light unit to LCD display module

## TEMPERATURE RANGES

- Application (minimum) + 10 °C (50 °F)
- Service (continuous) -20°C to + 120 °C (-100 °F to + 248 °F)
- Short time + 200 °C (+ 392 °F)





## **FT 5330DL / FT 5350DL**

Extra Opacity

### **FEATURES**

- Extreme thin black PET carrier optimizes conformability, provides compact solution
- Light transmission: 0% ASTM D1003, light transmission @ 20,000 LUX without pin hole
- High bonding strength to common plastics and glass, printed and coated surfaces

### **APPLICATIONS**

- Bonding different PET films to back light unit module
- Bonding back light unit to LCD display module

### **COATING CATEGORY**

High Performance Modified Acrylic Adhesive

Carrier: 12 $\mu$ m black PET

Liner System: Double PET liner (Mounting side: 75 $\mu$ m clear PET, Laminating side: 36 $\mu$ m clear PET)

Thickness: FT 5330DL Caliper: 35 $\mu$ m

FT 5350DL Caliper: 50 $\mu$ m

## **FT 5250DL / FT 5210DL**

High Opacity

### **FEATURES**

- A thick black PET optimizing the die cutting performance and medium adhesive coating weight providing the superior bonding solution to the gaskets
- Light transmission: 0.03% ASTM D1003
- 10,000 Lux of light strength without pin hole
- High bonding strength to common plastics and glass, printed and coated surfaces

### **APPLICATIONS**

- Screen Cover (PMMA or PC, Glass) to housing (Aluminum or ABS + PC)
- Keyboard (PMMA or PC, Glass) to housing (Aluminum or ABS + PC)

### **COATING CATEGORY**

High Performance Modified Acrylic Adhesive

Carrier: 25 $\mu$ m black PET

Liner System: Double PET liner (Mounting side: 75 $\mu$ m clear PET, Laminating side: 36 $\mu$ m clear PET)

Thickness: FT 5250DL Caliper: 50 $\mu$ m

FT 5210DL Caliper: 100 $\mu$ m



Performance  
Tapes

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