FT 5350 DL

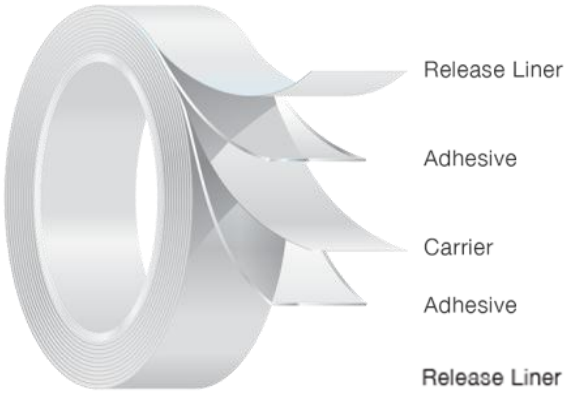
Avery Dennison FT 5350 DL is a double coated black polyester with a modified acrylic adhesive, offering an economic bonding solution between screen cover (PMMA or PC, Glass), keyboard and housings (Aluminum or ABS+PC).

FEATURES:

- Light blocking: In the scope of visible spectrum <0.3 % light transmission by ASTM D 1003 without pin hole
- Extra opacity thin (1 mil) solid black PET carrier to optimize the slim construction
- High bonding strength to common plastics and glass
- High bonding strength to printed and coated surfaces
- Double PET liners bring tape with smooth surface, easy die cutting and moisture resistance

BENEFITS:

- Solid black tape provides high opacity performance (light shielding, eliminate the risk of pin hole) in LCD gasket or keyboard gasket to eliminate the risk of light pass through
- Optimal bonding strength and easy handing performance designed for small size components
- PET carrier and liner to eliminate the risk of wrinkle, shrinkage, fiber and article contamination at clean room circumstance
- Long-lasting specially formulated adhesive and tape construction provides a strong, lasting bond in the back light unit and LCD display module. High temperature resistance: 200°C for short term



CONSTRUCTION:

Liner 1:
Polyester
Adhesive 1 Liner:
Modified Acrylic
Carrier:
Black Polyester
Adhesive 2 Uwind:
Modified Acrylic
Liner 2 Easy:
Polyester

FT 5350 DL

Adhesive Properties:		Typical Values		
Thickness	ASTM D-3652	**US Mils**	**MM's**	**Micron's (µm)**
Liner 1:		3.0	0.07	75
Carrier and Adhesives:		3.3	0.08	83
Liner 2 Easy:		1.4	0.04	36
Total Caliper:		7.6	0.19	193

PEEL ADHESION Test Method(s): PSTC-101, ASTM D-3330

2 mil PET 180º 12 in /min (305 mm / min)

Substrate			Lbf / In	N / Meter
SS	Liner	20 min dwell	3.0	525
		24 hr dwell	3.4	595
Polypropylene	Liner	20 min dwell	2.0	350
		24 hr dwell	2.2	385
ABS	Liner	20 min dwell	3.0	525
		24 hr dwell	3.1	543

LOOP TACK Test Method(s): PSTC-16

2 mil PET 20 in / min (508 mm / min)

Substrate		Lbf / In	N / Meter
Initial	Initial	3.9	683

TENSILE Test Method(s): ASTM D-897

Product

Substrate	Lbf / In²	N / Meter
	5.7	998

ELONGATION Test Method(s): ASTM D-897

Product

Substrate	%
	30.0

STATIC SHEAR Test Method(s): PSTC-107, ASTM D 3654

2 mil PET Initial 180º 1" sq (6.5 cm2) 5.5 lbs (2.5 kg)

Substrate	Min to Fail
Liner:	> 10,000

LIGHT TRANSMISSION Test Method(s): ASTM D-1003

Product

Substrate	%

TEMPERATURES	º F	º C
Long Term Temp (10,000 mins)	50 º F	10 º C
Short Term Temp (240 mins)	248 º F	120 º C
	392 º F	200 º C

THE LISTED VALUES ARE TYPICAL AND NOT INTENDED TO SERVE AS PRODUCT SPECIFICATIONS

APPLICATION TECHNIQUES

- It is essential, as with all pressure-sensitive tapes, that the surface to which the tape is applied be clean, dry, and free of grease or oil
- Bond strength is dependent upon the amount of adhesive-to-surface contact developed
- Note that different pressure, time and temperature on different (film / rigid) surface achieves different performance

STORAGE / SHELF LIFE

- Two years when stored at 64-72ºF (18-22ºC) / 30-70% relative humidity, out of direct sunlight and in original packaging.

Please refer to Tapes.AveryDennison.com for complete terms and conditions, including warranty terms, relating to this product. You should periodically review the site as terms and conditions are subject to change without notice.

AVERY DENNISON | Performance Tapes

Asia Pacific
Kunshan, China,
NO. 618 Nanhe Road
Kunshan Economic &
Technological Zone
China, 215335
Phone: +86 512 57155001
Fax: +86 512 57155059

Europe
Tieblokkenlaan 1
B-2300 Turnhout
Belgium
Phone: +32 (0)14 40 48 11
Fax: +32 (0)14 40 48 55

North America
250 Chester Street
Painesville, Ohio
44077 USA
Phone: +1 866-462-8379
Fax: +1 888-358-4469