



FT 5393DL

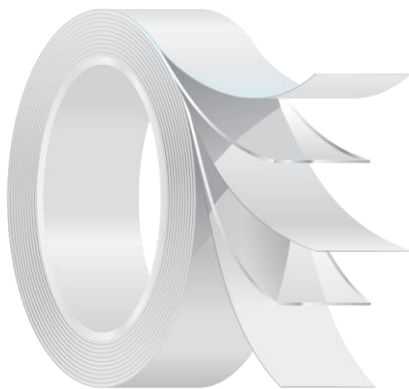
Avery Dennison FT 5393DL is a dual liner, 30 micron double coated black polyester tape with a modified acrylic adhesive designed for light blocking in applications where high temperature resistance and high adhesion are required. Used for bonding back light units such as reflectors, light guide plates, diffusion sheets and brightness enhancement films into LCD display modules.

FEATURES:

- Modified acrylic adhesive
- Extra high opacity black PET carrier
- Dual PET liners

BENEFITS:

- Provides high temperature resistance and a strong, lasting bond to a variety of materials
- Optimal bonding strength and easy handling performance for use with small components
- Offers excellent light shielding in back light unit (BLU) applications - 0.01% light transmission by ASTM D 1003 without pin hole
- Reduces risk of wrinkle, shrinkage, fiber and particle contamination in clean room conditions



CONSTRUCTION:

Liner 1:

Clear PET

Adhesive:

Modified acrylic

Carrier:

Black PET

Adhesive:

Modified acrylic

Liner 2:

Clear PET

FT 5393DL

Adhesive Properties	Typical Values		
	US Mils	mm	Microns (µm)
THICKNESS			
Liner 1	1.95	0.05	50
Adhesive + Carrier	1.17	0.03	30
Liner 2	1.17	0.03	30
Total	4.29	0.11	110

*PSTC-133

PEEL ADHESION

2 mil PET; 180°; 12" / min

Substrate	Lbf / in		N / 25mm	
	20 min	24 hr	20 min	24 hr
Stainless steel	2.7	3.2	12	14
Polycarbonate	3.0	3.5	13	15.5

*PSTC-101, ASTM D-3330, STD-10

LOOP TACK2 mil PET; 90°; 20" / min; 1" sq (6.5 cm²)

Substrate	Lbf / in		N / 25mm	
	Glass	3.0		13

*PSTC-16, STD-7

STATIC SHEAR**Min to Fail**Foil; 1" sq (6.5 cm²); 1000 g

>10,000

*PSTC-107, ASTM D 3654, STD-9

TEMPERATURES

Min. Application Temp.	50 ° F	10 ° C
Max. Continuous Operating Temp.	212 ° F	100 ° C
Max. Intermittent Operating Temp.	248 ° F	120 ° C

*TEST METHODS

Note: The listed values are typical only and not intended to serve as product specifications

APPLICATION TECHNIQUES

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

STORAGE AND SHELF LIFE

The shelf life of the product is two years when stored at 18-22°C / 64-72°F, 30-70% relative humidity and out of direct sunlight, 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.

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For more information on our bonding tapes and adhesive solutions, visit Tapes.AveryDennison.com