



FT 445

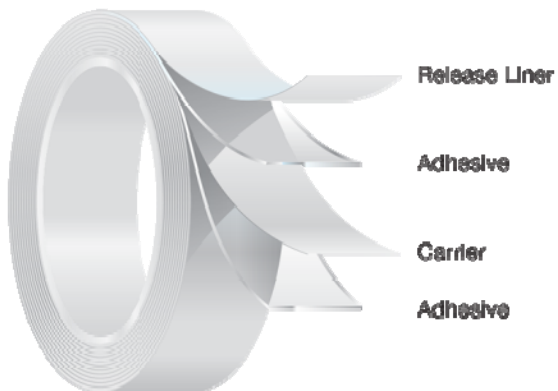
Designed for applications requiring an aggressive adhesive for use on a wide variety of substrates

FEATURES:

- Specially formulated adhesive
- Polypropylene carrier
- Densified kraft release liner

BENEFITS:

- Stability in processing
- Combines high tack and adhesion with excellent shear strength
- Excellent adhesion to low surface energy substrates



CONSTRUCTION:

Liner:

Densified Kraft

Adhesive 1 Liner:

Rubber

Carrier:

BOPP

Adhesive 2 Unwind:

Rubber

FT 445

Adhesive Properties:		Typical Values		
Thickness	Test Method(s): PSTC-133	US Mils	MM's	Microns (µm)
Liner:		3.6	0.09	91
Carrier & Adhesives:		5.6	5.56	141
Total Caliper:		9.2	5.65	233

PEEL ADHESION		Test Method(s): PSTC-101, ASTM D-3330			
2 mil PET 180° 12" min					
Substrate		Lbf / In	US Oz / In	N / Meter	
SS	Liner	Initial	9.5	152	1663
	Unwind	Initial	8.6	138	1506
ABS	Liner	Initial	7.3	116	1275
	Unwind	Initial	7.0	111	1217
PP	Liner	Initial	7.0	112	1229
	Unwind	Initial	7.8	125	1371
Talc PP	Liner	Initial	7.1	113	1240
	Unwind	Initial	6.6	106	1161
LDPE	Liner	Initial	5.4	86	946
	Unwind	Initial	5.5	88	963
HDPE	Liner	Initial	5.5	88	960
	Unwind	Initial	5.8	93	1023
TPO	Liner	Initial	9.2	147	1609
	Unwind	Initial	9.3	148	1625

LOOP TACK		Test Method(s): PSTC-16			
2 mil PET 20" min					
Substrate		Lbf / In	US Oz / In	N / Meter	
SS	Liner	Initial	14.3	228	2495
	Unwind	Initial	18.0	287	3145

STATIC SHEAR		Test Method(s): PSTC-107, ASTM D 3654		
2 mil PET 1" sq (6.5 cm2) 5.5 lbs (2.5 kg)				
Substrate		Min to Fail		
SS	Liner	Initial	> 10,000	
	Unwind	Initial	> 10,000	

TEMPERATURES	° F	° C
Min Application Temp	50 ° F	10 ° C
Max Continuous Operating Temp	175 ° F	79 ° C
Max Intermittent Operating Temp	200 ° F	93 ° 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

- One year when stored at 64-72°F (18-22°C) / 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.

© 2017 Avery Dennison Corporation. All rights reserved. Avery Dennison® is a registered trademark of Avery Dennison Corporation. All other Avery Dennison brands, product names, antenna designs and codes or service programs are trademarks of Avery Dennison Corporation.



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