



FM 9220B

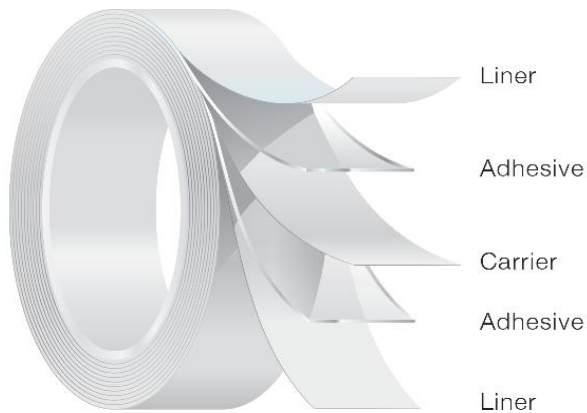
FM 9220B is a black foam tape designed for hi-end mounting applications in smart devices and electronics such as mobile phone assembly window/lens bonding. FM 9220B is suitable for industrial applications where high temperature, UV resistance, good moisture and dimensional stability are required. The thin tape caliper is ideal for thinner designs.

FEATURES:

- Crosslinked elastomeric adhesive
- Foamed elastomeric carrier
- Tape thickness of 7.9 mil / 200 um

BENEFITS:

- High adhesion on a variety of substrates, including low surface energy substrates, like PE
- Excellent cohesion provides high dynamic shear and push out force
- High temperature and UV resistance
- Good moisture resistance and dimensional stability
- Thin caliper of the tape makes it suitable for thinner design concepts



CONSTRUCTION:

Liner 1:

Polyester

Adhesive 1 Liner:

Crosslinked Elastomer

Carrier:

Foamed Crosslinked Black Elastomer

Adhesive 2 Unwind:

Crosslinked Elastomer

Liner 2 Easy:

Polyester

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Adhesive Properties:		Typical Values		
Thickness	Test Method(s): PSTC-133	US Mils	MM's	Microns (µm)
Liner 1:		2.0	0.05	51
Carrier & Adhesive:		7.9	0.20	200
Liner 2 Easy:		2.0	0.05	51
Total Caliper:		11.9	0.30	302

PEEL ADHESION		Test Method(s): PSTC-101, ASTM D 3330		
Substrate		Lbf / In	US Oz / In	N / Meter
SS	Liner 20 min dwell	7.0	112	1226
SS	Liner 72 hr dwell	10.6	170	1856

DYNAMIC SHEAR		Test Method(s): ASTM D 1002		
Substrate		Lbf / In	US Oz / In	N / Meter
SS	Liner 24 hr dwell	301.0	4816	53

STATIC SHEAR		Test Method(s): PSTC-107, ASTM D 3654		
Substrate		Min to Fail		
SS	Liner 24 hr dwell	> 10,000		

TEMPERATURES	° F	° C
Min Application Temp	50 ° F	10 ° C
Min Continuous Service Temp	-40 ° F	-40 ° C
Max Continuous Service Temp	212 ° F	-40 ° C
Short Term Operating Temp	248 ° F	100 ° 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.

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