



ES 3505

Facestock is a specially designed high-quality PET with good fire resistance and dielectric properties. Designed so the top side bursts quickly when exposed to flame and the adhesive side has much longer resistance to flame. The anisotropic flame behavior allows for unique cell venting and exhaust strategies. This produce passes IP6X and IP7X tests.

FEATURES

- The facestock is a specially designed high-quality PET material with good fire resistance and insulation properties.
- Permanent Acrylic Adhesive
- Transparent PET liner suitable for high-speed die-cutting

BENEFITS

- Excellent die-cut, peel properties, and excellent sealing properties
- Specially designed high-quality PET material with good fire resistance and insulation properties
- Excellent tear resistance, high temperature resistance, and dimensional stability
- Suitable for various insulation applications
- Exceptional resistance to corrosion



CONSTRUCTION:

Liner:

Clear Polyester

Adhesive:

Acrylic

Carrier:

100um Blue PET

ES 3505**Adhesive Properties:****Typical Values**

Thickness	ASTM D3692	US Mils	MM's	Micron's (µm)
Liner		0.9	0.02	23
Adhesive		1.4	0.04	35
Carrier		3.9	0.10	100
Total Caliper without Liner:		5.3	0.14	135
Total Caliper:		6.2	0.16	158

Peel Adhesion ASTM D3330

180° 12 in (305 mm) / min @ Room Temp

Substrate		Lbf/ In	N/ Meter
SS	20 MIN DWELL	4.5	800
	24 HR DWELL	4.9	880

Loop Tack ASTM D6195

180° 20 in (508 mm) / min @ Room Temp

Substrate		Lbf/ In	N/ Meter
SS		4.5	800

TEMPERATURES

	° F	° C
Min. Application Temp	32° F	0° C
Min. Service Temp	-40° F	-40° C
Max. Service Temp (Continuous)	300° F	149° 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

- 1 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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