

More Than Adhesives... Answers.™

Polyken has provided highly engineered pressure-sensitive adhesive tape solutions for medical OEMs and converters for decades. Our extensive and innovative selection of core products are designed to withstand EtO and gamma sterilization as well as the rigors of medical environments.

Polyken deploys a broad range of carriers, liners, and adhesive technologies designed to meet the needs of converters, OEMs, medical professionals, and patients alike. Applications for Polyken **double-coated**, **single-coated**, and **transfer tapes** include:

- direct skin contact (short or long-term)
- electrodes and sensors
- surgical and incise drapes
- diagnostic test strips
- medical device assembly
- wound care
- ostomy products



Polyken can also combine our technical expertise with design and manufacturing resources to produce a solution to meet your application needs.

Coating & Converting Capabilities

- Coating Line - Max usable width 60"
- Coating Methods:
 - Reverse Roll
 - Between the Roll
 - Knife-Over-Roll
 - Blade
- Coating Type: Direct Coat, Transfer Coat
- Adhesives:
 - Acrylic, Rubber, Silicone, Polyurethane, and Custom Formulations
 - Solvent, Emulsion, Hot Melt
 - Coat Weights: 0.7 to 7.5 mils
- 3" ID core
- Maximum diameter 24"
- Typical log sizes:
 - Double-Coated: 250 lyds
 - Foams: 100 to 325 lyds
 - Films: 250 lyds

Materials Expertise

Substrates:

- Polyester (PET): 0.25 mil to 5 mils
- Foam (Cross-linked PE): 1/32" to 1/8"
- Polyethylene (PE)
- Orientated Polypropylene (OPP)
- Fabric: Non-woven and Woven
- Tissue
- Foil
- Polyurethane (PU)
- Custom

Liners:

- Polycoated Paper: 60 to 140lb basis weight
- Super calendered: 40 to 80lb basis weight
- Polyliners: PET, HDPE, BOPP

Product	Carrier	Adhesive	Liner	Features & Applications
TRANSFER TAPES				
3426A	N/A	Rubber (M104)	60# SCK	Superior adhesion to various materials for component assembly. Short-term wear for sensor components, mounting electronic components, and pulse oximetry.
3558B	N/A	Acrylic (M102)	80# SCK	Designed for long-term wear applications. Highly resistant to perspiration-borne moisture. Medical device assembly and sensor components.
9728	N/A	Acrylic (M129)	80# SCK	Excellent adhesion to skin, films, foams, and fabrics. Designed for short-term wear with low trauma.
DOUBLE-COATED TAPES				
1731D	0.5 mil PET Film	Acrylic (M109)	76# BL KFT	High tack and good shear strength. Surgical drape fabrication, assembly, and attachment. Medical device assembly and attachment.
3428M	1 mil PUR Film	Acrylic (M119)	80# SCK	High breathability and conformability for extended wear and maximum patient comfort. Suitable for long-term wear.
9311M	0.5 mil PET Film	LS - Acrylic (M130) AS - Acrylic (M131)	74# PC KFT	Differential adhesive system ideal for bonding and laminating foams, fabrics, and non-wovens. Low trauma liner-side adhesive.
9256M	0.5 mil PET Film	2.0 mil Acrylic (M119)	55# PC KFT or 74# PC KFT	High peel, high tack adhesive for laminating and bonding to papers, plastics, non-wovens, and foams. Short term, low trauma applications.
9132M	0.5 mil PET Film	Rubber (M147)	60# PC KFT	Differential adhesive system designed to bond to a wide variety of foams and plastics for medical device attachment and assembly.
SINGLE-COATED TAPES				
2203R	3 mil Matte PE Film	Acrylic (M109)	60# SCK	Matte-finish for minimal glare. Excellent adhesion to skin and drape material. Surgical and incise drape, device overlay.
3428R	1 mil Clear PU Film	Acrylic (M119)	80# SCK	Breathable and conformable for maximum patient comfort. Excellent adhesion to skin and other surfaces, suitable for long-term wear.
3628A	1 mil Clear PU Film	Extended-Wear Acrylic (M110)	80# SCK	High moisture resistance and aggressive adhesive for long-term wear uses. Removes cleanly without causing trauma. Breathable, conformable PUR film for maximum patient comfort. Ideal for patient monitoring and sensor components, device assembly, and more.
3632A	1/32" White Cross-Linked PE Foam	Extended-Wear Acrylic (M110)	74# PC KFT	High moisture resistance and aggressive adhesive for long-term wear uses. Removes cleanly without causing trauma. Soft and flexible for patient comfort. Ideal for electrodes, AED defibrillator pads, device mounting, and transdermal pads.
3616A	1/16" White Cross-Linked PE Foam	Acrylic (M139)	74# PC KFT	Soft, flexible and conformable for maximum patient comfort. Non-sensitizing medical grade adhesive. Ideal for electrodes, AED pads, device mounting and transdermal drug delivery uses.
3578D	1/16" White Cross-Linked PE Foam	Acrylic (M108)	74# BL KFT	Soft, flexible, and conformable. Strong adhesion. Electrodes, medical device assembly & attachment.
3585A	1/16" White Cross-Linked PE Foam	Extended-Wear Acrylic (M110)	74# BL KFT	Aggressive adhesive for long-term wear uses. Removes cleanly without causing trauma. High moisture resistance. Electrodes, medical device assembly & attachment.
3570A	2.4 oz/sy White Spunlace Polyester	Acrylic (M102)	80# SCK	Conformable and breathable for patient comfort. Designed for long-term wear. Wound coverings, island dressings, electrodes.
3614A	1.3 oz/sy White Spunlace Polyester	High Moisture-Resistant Acrylic (M110)	72# BL KFT	High moisture resistance adhesive removes cleanly without causing trauma. Breathable for patient comfort. Short-term wear uses for electrodes, wound coverings, island dressings, device attachment.
3614B	1.3 oz/sy White Spunlace Polyester	Acrylic (M109)	72# BL KFT	Designed for short and medium-term wear applications including electrodes, wound coverings, island dressings, and device attachments. Breathable and conformable for patient comfort.
3614C	1.3 oz/sy White Spunlace Polyester	Acrylic (M102)	72# BL KFT	Designed for long-term wear applications including electrodes, wound coverings, island dressings, and device attachments. Breathable and conformable for patient comfort.
3621A	2.4 oz/sy White PU Non-Woven Fabric	Acrylic (M102)	80# SCK	Highly breathable, bi-directional stretch fabric designed for maximum patient comfort. Combined with long term wear adhesive that creates an aggressive bond to skin to hold devices in place while causing minimal trauma. Designed for wearable device applications including CGM, medication delivery systems, and more.