



MEDICAL ADHESIVE TAPE CORE PRODUCTS

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:

- Short / Medium / Long-Term
- Direct Skin Contact
- Wearable Devices & Sensors
- On-Body Patient Monitoring
- Surgical Drape
- Electro-Medical
- Electrode pads: ECG/EKG, EEG, TENS
- Defibrillator pads
- Pulse Oximetry
- Medical Device Mounting & Assembly

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"
- Adhesives:
 - Acrylic, Rubber, Silicone, and Custom Formulations
 - Solvent
 - Coat Weights: 0.7 to 7.5 mils
- 3" or 6" ID core
- Typical log sizes:
 - Double-Coated: 250 lyds
 - Foams: 100 to 325 lyds
 - Films: 250 lyds
- Custom slit widths available

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 non-woven polyurethane
- 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 (M117) | 60# SCK | Superior adhesion to various materials for component assembly. Short-term wear for sensor components, mounting electronic components, pulse oximetry. |
| 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 (1393A) Acrylic (9254M) | 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 (M159) | 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 KFT | High peel, high tack adhesive for laminating and bonding to papers, plastics, non-wovens, and foams. Short term, low trauma applications. |
| SINGLE-COATED TAPES | | | | |
| 2328F | 2.4 oz/sy White Spunlace Non-woven | Acrylic (M153) | 96# BL KFT | Breathable for maximum patient comfort. Highly conformable for drape applications and excellent adhesion to skin. Stable to EtO and gamma sterilization. Used in electrodes (ECG, EKG, TENS), wound coverings, medical device attachment and Island dressings. |
| 3395A | 1 mil White BOPP Film | Rubber (M117) | 60# SB SCK | Acts as a light block for light-sensitive devices. This tape is flexible, conformable and has high tack which allows it to bond well to various materials. Used in mounting and laminating, electronic and sensor components, medical device assembly, patient monitoring, pulse oximetry and medical device component. |
| 3426B | 4 mil White PE Film | Rubber (M117) | 60# SB SCK | Flexible and conformable for patient comfort. High tack and bonds well to a variety of materials. Used for mounting and laminating electronic and sensor components, medical device assembly, patient monitoring, pulse oximetry and medical device component. |
| 3493Y | 1/16" White Cross-Linked PE Foam | Acrylic (M108) | 96# 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. |
| 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. |
| 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. |
| SINGLE-COATED FOAM TAPES | | | | |
| 3355H | High Moisture-Resistant | Acrylic (M110) | 96# BL PC KFT | This 1/32" thin foam substrate combines long term wear medical adhesive with moisture resistance which is soft, flexible and conforms easily to patient skin. It removes cleanly without causing trauma for maximum Patient Comfort. Used for medical devices, electrode pads (ECG/EKG, EEG, TENS), defibrillator pads and pulse oximetry |

| Wear Duration | Short (<3 Days) | Medium (3-5 Days) | Long (5-14 Days) |
|------------------------------------------|---------------------|-------------------|------------------|
| PRODUCT PORTFOLIO – WEAR DURATION | | | |
| Transfer Tapes | 3426A, 9728, 9730 | | 3599F |
| DC Tapes | 33M6H, 9254M, 9256M | 1731D | 3428M (PU) |
| DC Tapes - Foam | | 3589A, 3577C | |
| Differential DC Tapes | 9311M | | |
| Single Coated Tapes | 3395A, 3426B | 2328F | 3570A, 3621A |
| Single Coated Tapes 1/16" Foam | | 3493Y | |
| Single Coated Tapes 1/32" Foam | | 29320 | 3355H |

