

## MEDICAL PRODUCT GUIDE

Covalence Adhesives Medical products are backed by experience you can count on. For over 60 years, we've been the name behind many of the OEM, Hospital, and Retail healthcare tape products you use and trust every day. Our extensive and innovative selection of core products are designed to meet expectations for today's challenging medical applications. Our combination of technical expertise, design, and manufacturing resources ensures our ability to produce a solution to suite your application needs.

### CAPABILITIES & TECHNOLOGY

Our manufacturing and design capabilities support diverse applications. In a business driven by OEM and industry specifications, balancing the range of conditions a product must endure during processing, as well as in the final application, is essential to achieving best fit. We recognize this need and are thorough in our approach to partnering with you to evaluate one of our many standard products, or to custom design a unique product solution.

With flexibility in mind our products are available in a variety of constructions. Our full scale pilot facilities and extensive analytical lab mean that you get the right product and the support you need.

### TOLL COATING

Our expertise in processing combined with years of experience in coating and slitting make us the perfect choice for your toll-coating needs.

#### ADHESIVES

Acrylic  
Synthetic Elastomers

#### ADHESIVE TECHNOLOGY

Emulsion  
Solution  
Solventless

#### CONSTRUCTIONS

Transfer  
Single-Coated  
Double-Coated  
Multi-Lamination

#### QUALITY

ISO  
cGMP  
FDA  
Six Sigma



### Covalence Adhesives Specialty Tape Group

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### APPLICATIONS

Our tape products have been used extensively in bandages, wound care, first aid kits, electrodes, pulse oximeters, diagnostics, surgical drapes, transdermal patches, and device assemblies manufactured throughout the world.

### DEVICE ASSEMBLY

We manufacture a variety of single-coated, double-coated, and transfer adhesives for device assembly, with the inherent ability to withstand fluids, sterilization, and extended use.

### DIAGNOSTIC TESTING

Our transfer and double-coated products are inert, and bond well to PVC, polystyrene, polyester, and backed, or un-backed nitro-cellulose materials.

### PATIENT MONITORING

Covalence Adhesives has flexible, conformable foams, wovens, films, and laminated products with specially formulated adhesives to deliver the performance you need, from stress testing, high moisture resistance, and extended wear to sensitive skin applications.

### STERILIZATION BAG SEALING

These double-coated tapes come with a variety of construction combinations utilizing permanent and repositionable adhesive systems that withstand the rigors of EtO and gamma sterilization.

### SURGICAL DRAPES

These single and double-coated tape products were designed to withstand the rigors of surgery with minimal affect due to surgical fluid exposure, radical changes in temperature, or mechanical stress, as well as EtO and gamma sterilization.

### TRANSDERMAL DRUG DELIVERY

Our woven, nonwoven, film and foam products are comfortable and unobtrusive, and can be worn for extended periods of time. Call us to find out more about how we can custom coat your OTC additive.

### WOUND CARE

We provide films, wovens, and nonwovens for use in bandages, surgical tapes, high MVTR wound dressings, and ostomy products.

**MEDICAL REFERENCE GUIDE**
**WOVENS**

We offer a variety of white and flesh tone fabrics consisting of poly/cotton/ nylon blends, taffeta, tricot, and vinyl coated cotton.

PART NUMBER	CARRIER	ADHESIVE DESCRIPTION	LINER	ADHESIVE THICKNESS	PEEL	BIO TESTING	RIPT TESTING	APPLICATION	FEATURES
WV 100	Poly/cotton/nylon blend fabric in flesh	Hypoallergenic acrylic	30 lb BPEK C1S	3.4 mils	16 oz/in	Cyto/Irr/Sens	YES	Wound Care, Monitoring	Carrier is soft, flexible, breathable and comfortable. Stretches with movement. Printable surface.
WV 101	Poly/cotton/nylon blend fabric in flesh	Hypoallergenic acrylic	30 lb BPEK C1S	2.4 mils	10 oz/in	Cyto/Irr/Sens	YES	Wound Care, Monitoring	Specifically formulated for use on sensitive skin. Fabric is breathable, soft, flexible and comfortable. Carrier stretch maintains secure attachment.
WV 300	White, woven acetate taffeta fabric	Non-sensitizing acrylic	80 lb BPEK C1S	2.3 mils	25 oz/in	Cyto/Irr/Sens	YES	Wound Care, Monitoring IV Therapy	Tears in both directions for easy application. Fabric is breathable and durable for maximum wear. Printable surface.
WV 400	9 mil white vinyl coated woven fabric	Non-irritating dry rubber	Polyethylene film	3.1 mils	30 oz/in	Irritation	NO	Athletic Tape, Waterproof	Vinyl coated fabric keeps devices and dressings dry. Strong and durable.
WV 401	9 mil white porous cotton fabric	Non-irritating dry rubber	No liner, self-wound	3.1 mils	16 oz/in	Irritation	NO	Athletic Tape, Porous	Porous striping permits passage of air and moisture. Strong and durable.
WV 2696P	Flesh tricot laminated to 1 mil white PO film	Rubber based adhesive	60 lb SCK C1S	2 mils	131 oz/in	Cyto	NO	Electrode, Medical Device, Monitoring	Polyolefin film adds stability. Rubber based adh offers high tack, and bonds to a variety of surfaces.
WV 2790A	9 mil flesh poly/cotton/nylon fabric	Non-sensitizing acrylic	60 lb SCK C1S	1.4 mils	65 oz/in	Cyto/Irr/Sens	LIMITED	Wound Care, Monitoring	Soft, flexible fabric is comfortable to wear and blends with skin tones. Ez release liner removes quickly. Easily cut into various sizes and shapes.
WV 3239C	9 mil white vinyl coated woven fabric	Non-irritating acrylic	60 lb SCK C1S	1 mil	32 oz/in	Cyto/Irr	NO	Wound Care, Monitoring	Vinyl coated fabric keeps devices and dressings dry. High tack aggressive adhesive.

**MEDICAL REFERENCE GUIDE**
**NON WOVENS**

Our tissue and spunlace products are both lightweight and breathable.

PART NUMBER	CARRIER	ADHESIVE DESCRIPTION	LINER	ADHESIVE THICKNESS	PEEL	BIO TESTING	RIPT TESTING	APPLICATION	FEATURES
NW 100	4 mil white rayon tissue	Hypoallergenic acrylic	No Liner, Self wound	1.2 mils	20 oz/in	Cyto/Irr/Sens	YES	Wound Care, First Aid Tapes	Breathable backing permits passage of air and moisture. Soft and conformable.
NW 2089A	5 mil white tissue	Non-irritating acrylic	40 lb SCK C1S	1.3 mils	40 oz/in	Cyto/Irr	LIMITED	Wound Care, First Aid Tapes	Breathable backing for maximum patient comfort. Good long term wear.
NW 2328F	2.4 oz/sy white spunlace polyester	Non-sensitizing acrylic	96 lb BPEK C1S	1.8 mils	72 oz/in	Cyto/Irr/Sens	LIMITED	Electrode, Medical Device, Wound Care,	Conformable, breathable carrier for maximum patient comfort. Easily die cut into various shapes and sizes. PSA is gamma & EtO stable.

**MEDICAL REFERENCE GUIDE**
**FLEXIBLE FILMS**

From standard PVC (vinyl) to BOPP, PE and Polyurethane film.

PART NUMBER	CARRIER	ADHESIVE DESCRIPTION	LINER	ADHESIVE THICKNESS	PEEL	BIO TESTING	RIPT TESTING	APPLICATION	FEATURES
FF 100-F	3 mil PVC, Flesh	Hypoallergenic acrylic	30 lb BPEK C1S	1.8 mils	21 oz/in	Cyto/Irr/Sens	YES	Finger Bandages, Wound Care	Flexible substrate accommodates wide variety of end uses. Printable surface. Can be perforated (within slit widths of 2" to 4.5").
FF 100-S	3 mil PVC, Sheer	Hypoallergenic acrylic	30 lb BPEK C1S	1.8 mils	21 oz/in	Cyto/Irr/Sens	YES	Finger Bandages, Wound Care	Flexible substrate accommodates wide variety of end uses. Printable surface. Can be perforated (within slit widths of 2" to 4.5").
FF 200	4 mil clear PE	Hypoallergenic acrylic	72 lb NPEK C1S	2 mils	25 oz/in	Cyto/Irr/Sens	YES	Finger Bandages, Wound Care	Transparent for visual monitoring of devices without removing tape. Removed cleanly.
FF 201	4 mil clear PE perforated	Hypoallergenic acrylic	72 lb NPEK C1S, avail self wound	2 mils	25 oz/in	Cyto/Irr/Sens	YES	Wound Care, First Aid Tapes	Perforated to allow breathability. Transparent for visual monitoring of devices without removing tape. Hand tears in two directions.
FF 2203C	3 mil clear PE	Non-sensitizing acrylic	74 lb BPEK C1S	1.8 mils	64 oz/in	Cyto/Irr/Sens	Limited	Surgical Drape, Incise Drape	Excellent adhesion to skin and drape materials. Easily die cut into various shapes and sizes. PSA is gamma and EtO stable.
FF 2203R	3 mil clear PE	Non-sensitizing acrylic	60 lb SCK C1S	1.2 mils	56 oz/in	Cyto/Irr/Sens	Limited	Surgical Drape, Incise Drape	Excellent adhesion to skin and drape materials. Easily die cut into various shapes and sizes. PSA is gamma and EtO stable.

**MEDICAL REFERENCE GUIDE**
**FOAMS**

PE foam in densities of 2, 4, and 6 lbs., thicknesses of 1/8", 1/16", and 1/32", and adhesives systems for general purpose to extended wear and high moisture resistance, we have the right product to meet your needs.

PART NUMBER	CARRIER	ADHESIVE DESCRIPTION	LINER	ADHESIVE THICKNESS	PEEL	BIO TESTING	RIPT TESTING	APPLICATION	FEATURES
FM 2908P	1/8" white, XL PE foam	Non-sensitizing acrylic	92 lb BPEK C1S	1.5 mils	170 oz/in	Cyto/Irr/Sens	NO	Electrode, Medical Device	PE foam is soft and conformable for maximum patient comfort. Easily die cut into various sizes and shapes. PSA is gamma and EtO stable.
FM 2916P	1/16" white, XL PE foam	Non-sensitizing acrylic	92 lb BPEK C1S	2 mils	175 oz/in	Cyto/Irr/Sens	NO	Electrode, Medical Device	PE foam is soft and conformable for maximum patient comfort. Easily die cut into various sizes and shapes. PSA is gamma and EtO stable.
FM 2932J	1/32" white, XL PE foam	Non-sensitizing acrylic	96 lb BPEK C1S	2.2 mils	120 oz/in	Cyto/Irr/Sens	Limited	Electrode, Medical Device	PE foam is soft and conformable for maximum patient comfort. Easily die cut into various sizes and shapes. PSA is gamma and EtO stable.
FM 2932P	1/32" white, XL PE foam	Non-sensitizing acrylic	96 lb BPEK C1S	2 mils	175 oz/in	Cyto/Irr/Sens	NO	Electrode, Medical Device	PE foam is soft and conformable for maximum patient comfort. Easily die cut into various sizes and shapes. PSA is gamma and EtO stable.
FM 3355H	1/32" white, XL PE foam	Highly moisture-resistant, extended wear acrylic	96 lb BPEK C1S	3 mils	70 oz/in	Cyto/Irr/Sens	NO	Electrode, Medical Device	Adhesive is highly resistant to perspiration-borne moisture, and water. Long term wear.

**MEDICAL REFERENCE GUIDE**

**DOUBLE COATED**

Double-coated products are our specialty. We coat a variety of films, foams, and custom materials.

PART NUMBER	CARRIER	ADHESIVE DESCRIPTION	LINER	LS ADHESIVE THICKNESS	LS PEEL	LS BIO TESTING	LS RIPT TESTING	LS ADHESIVE THICKNESS	AS PEEL	AS BIO TESTING	AS RIPT TESTING	APPLICATION	FEATURES
DC 900SE	0.5 mil polyester film	Synthetic elastomer adhesive both sides	76# BPEK C2S	1.4 mils	100 oz/in	Cyto/Irr/Sens	NO	2 mils	160 oz/in	Cyto/Irr/Sens	NO	Bag Sealing surgical drape	Aggressive economical adhesive, with high initial tack. Bonds to a wide variety of foams, films and sponge material. PSA is EtO stable.
DC 1393A	0.5 mil polyester film	Non-sensitizing medical grade acrylic both sides	74# BPEK C2S	1.3 mils	40 oz/in	Cyto/Irr/Sens	NO	1.3 mils	40 oz/in	Cyto/Irr/Sens	NO	Medical Device Assy	Bonds well to many materials, PE foam, metal & plastic materials. High tack, medium peel and low shear properties.
DC 1731D	0.5 mil polyester film	Non-sensitizing medical grade acrylic both sides	74# BPEK C2S	1.4 mils	100 oz/in	Cyto/Irr/Sens	Limited	1.4 mils	100 oz/in	Cyto/Irr/Sens	Limited	Surgical Drape	High tack and good shear properties support a wide variety of applications. Adheres well and easily conforms to many surface types. PSA is steam, gamma, and EtO stable.
DC 2211E	1/16" white, XL PE foam	Non-sensitizing medical grade acrylic both sides	96# BPEK C2S	1.4 mils	110 oz/in	Cyto/Irr/Sens	Limited	1.4 mils	110 oz/in	Cyto/Irr/Sens	Limited	Medical Device Assy	Inert and comfortable foam substrate for maximum patient comfort. Non-sensitizing medical grade adhesive. Easily die cut into various shapes and sizes.
DC 2676V	0.5 mil polyester film	LS-Medical grade removable AS-Nonsensitizing MG acrylic	74# BPEK C2S	1.4 mils	64 oz/in	Cytotoxicity	Limited	.8 mils	20 oz/in	Cyto/Irr/Sens	Limited	Warming Blankets	Mylar provides strength for processing & maintains conformability. Different adhesives on each side of the carrier. Low peel removable liner side adhesive.
DC 2911B	0.5 mil polyester film	LS-Medical grade acrylic AS-Non-irritating MG acrylic	75# BPEK C2S	1.2 mils	80oz/in	Cytotoxicity	NO	1.3 mils	80oz/in	Cyto/Irr	NO	Surgical Drape	High performance adhesive supports wide range of applications. Adhesive has high tack and excellent shear properties. Mylar provides support for processing.
DC 3340F	3 mil clear LDPE	Non-sensitizing medical grade	80# SCK C2S	1.5 mils	60 oz/in	Cyto/Irr/Sens	Limited	1.5 mils	40 oz/in	Cyto/Irr/Sens	Limited	Surgical Drape	Flexible, conformable film for maximum patient comfort. High performance adhesive on both sides provides maximum versatility.
DC 3353D	1.4 oz/sy white polyester spunlace	Non-irritating medical grade acrylic both sides	80# SCK C2S	1.9 mils	120 oz/in	Cyto/Irr	NO	1.3 mils	80 oz/in	Cyto/Irr	NO	Nasal Dilator	Conformable, breathable carrier for maximum patient comfort. Adheres well to skin and bonds with most other materials. Removes cleanly with no residue or skin trauma.
DC 33M6H	0.5 mil polyester film	Non-irritating medical grade acrylic both sides	60# SCK C2S	1.8 mils	96 oz/in	Cyto/Irr	NO	1.8 mils	88 oz/in	Cyto/Irr	NO	Medical Device Assy	Aggressive acrylic adhesive. Bonds well to EPDM, ether & ester PU foams & plastic materials. Good humidity and stress resistance.
DC 3481A	0.5 mil polyester film	Non-irritating medical grade acrylic both sides	74# BPEK C2S	1.2 mils	60 oz/in	Irritation	NO	1.2 mils	60 oz/in	Irritation	NO	Diagnostic, laminating	Low flow and low outgassing. High tack and shear.

**MEDICAL REFERENCE GUIDE**

**TRANSFER ADHESIVES**

Custom developed synthetic elastomers and acrylics in a variety of thicknesses and ranging in aggression from sensitive to highly moisture resistant.

PART NUMBER	CARRIER	ADHESIVE DESCRIPTION	LINER	ADHESIVE THICKNESS	PEEL	BIO TESTING	RIPT TESTING	APPLICATION	FEATURES
TR 601B	None	Non-Irritating acrylic	60 lb SCK C2S	2 mils	48 oz/in	Irritation	NO	Device Assy, Diagnostic	Bonds well to many materials, including most plastic materials. Low outgassing and low flow characteristics. Good peel tack and shear properties.
TR 900SE	None	Synthetic elastomer adhesive	80 lb BK C2S	3 mils	100 oz/in	Cyto/Irr/Sens	NO	Device Assy	Aggressive economical adhesive, with high initial tack. Bonds to a wide variety of foams, films, and sponge material. PSA is EtO stable.
TR 2295C	None	Non-sensitizing acrylic	60 lb SCK C2S	1 mils	60 oz/in	Cyto/Irr/Sens	Limited	Device Assy	Nonsensitizing adhesive allows max comfort. Forms good bond with a variety of substrates. PSA is gamma and EtO stable.
TR 2295K	None	Non-sensitizing acrylic	60 lb SCK C2S	2.5 mils	128 oz/in	Cyto/Irr/Sens	Limited	Device Assy	Forms good bond with a wide variety of substrates. PSA is gamma and EtO stable.
TR 3500B	None	Non-Irritating aggressive acrylic	80 lb SCK C2S	2 mils	85 oz/in	Cyto/Irr	NO	Device Assy	Aggressive acrylic adhesive. Bonds well to EPDM, ether & ester PU foams, and plastic materials. Good humidity and stress resistance.