

Solutions for the
Electronics Industry

 **Adhesives Research®**



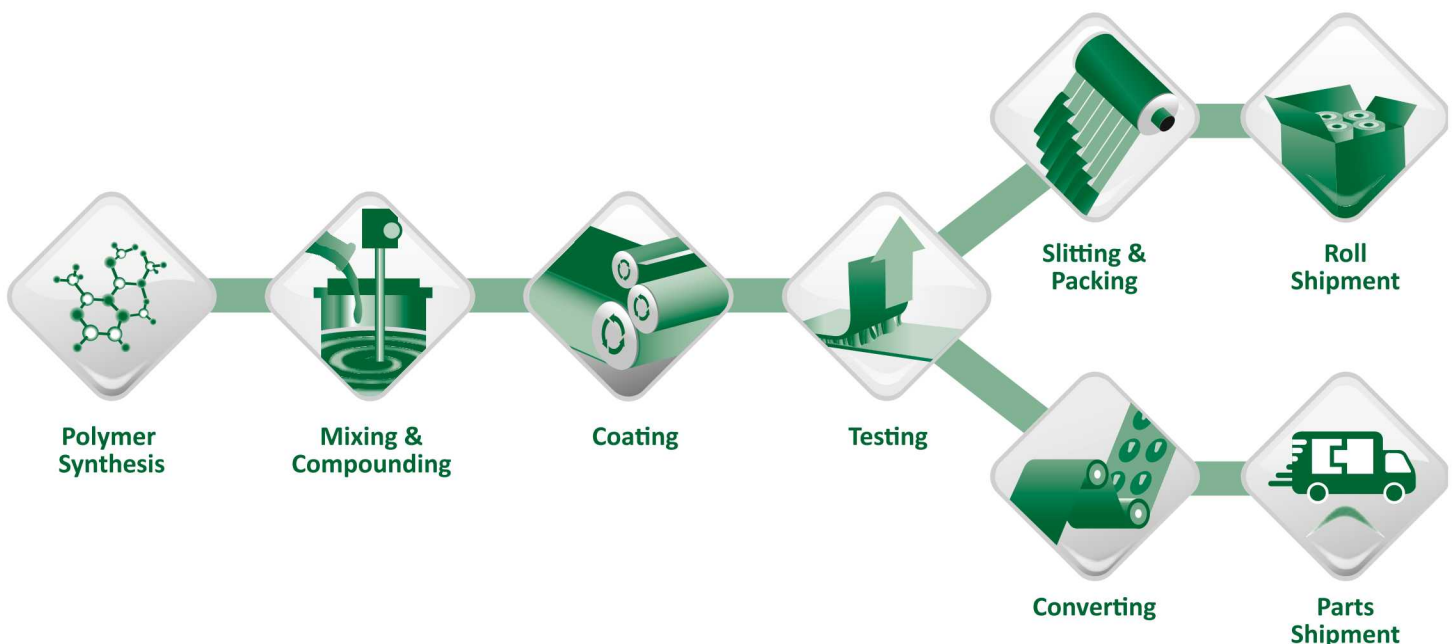
Capabilities

Adhesives Research (AR) designs, develops and manufactures specialty pressure sensitive adhesives (PSAs), tapes, films coatings, laminates and release liners that enable our customers to do extraordinary things with their products.

We offer the electronics industry many platform technologies for specialty pressure sensitive adhesives and tape systems such as:

- Electrically and thermally conductive adhesive systems
- Self-wetting technology for display surface protection
- Dual-stage systems for thermal and UV cure adhesives systems
- ARclean® acid-free, electronically clean, ultra low-outgassing acrylic adhesives for controlling chemical contamination in the hard disk drive industry
- ARclear® optically clear adhesive products for use in display applications
- ARclad® general purpose adhesives for assembly, bonding and laminating

Whether we are modifying an existing technology or creating an entirely new technology, our formulating experience and materials knowledge give us the flexibility to develop a solution with the precise properties you require.



Electronically Clean Tapes (Ultra-low VOCs)

Product	Description/Application	Tape Construction (Type and Thickness)						Service Temp. Range		Relative Adhesion	
		Liner	Adhesive	Backing or Carrier	Adhesive	Liner	Total Thickness	Low °F (°C)	High °F (°C)	HSE	LSE
Transfer Tape & Single-coated Tape											
93530	Acrylic transfer tape providing bonds to metals and glass, as well as most plastic substrates with two different release liners. Eliminates contamination and labor costs associated with adhesive residue during rework. High purity, non-corrosive adhesive film.	Clear PET easy release 2.0 mils (50.8 μ)	-	-	Acrylic (AS-132) 1.0 mil (25.4 μ)	Clear PET tight release 2.0 mils (50.4 μ)	5.0 mils (127.0 μ)	-40 (-40)	300 (149)	4	5
90420	Acid-free acrylic adhesive with low silicone extractable liner and plastic core. Suggested for applications to prevent microcontamination in electronics devices. Clean strippability for rework (e.g. HDD Breather filter, low outgassing label and other electrically clean sealing etc.)	-	-	Clear PET film 2.0 mils (50.8 μ)	Acrylic (AS-139) 1.5 mils (38.1 μ)	Clear PET film 2.0 mils (50.8 μ)	5.5 mils (139.7 μ)	-40 (-40)	300 (149)	5	5
92200	Acid-free acrylic adhesive with low silicone extractable liner and plastic core. Suggested for applications to prevent microcontamination in electronics devices. Clean strippability for rework (e.g. HDD Breather filter, low outgassing label and other electrically clean sealing etc.)	-	-	Clear NSR PET film 2.0 mils (50.8 μ)	Acrylic (AS-139) 1.5 mils (38.1 μ)	Clear NSR PET film 2.0 mils (50.8 μ)	5.5 mils (139.7 μ)	-40 (-40)	300 (149)	5	5
93188	Ultra low outgassing version with better LSE adhesion. Acid-free acrylic adhesive with low silicone extractable liner and plastic core. Suggested for applications to prevent microcontamination in electronics devices. Clean strippability for rework (e.g. HDD Breather filter, low outgassing label and other electrically clean sealing etc.)	-	-	Clear PET film 2.0 mils (50.8 μ)	Acrylic (AS-277) 1.5 mils (38.1 μ)	Clear PET film 2.0 mils (50.8 μ)	5.5 mils (139.7 μ)	-40 (-40)	300 (149)	6	6
93164	Metalized polyester film carrier minimizing moisture vapor transmission. Electrically conductive carrier. Acid-free acrylic adhesive with Ultra-low silicone extractable liner and plastic core. Clean strippability for rework.	-	-	Metalized Glossy PET film 2.0 mils (50.8 μ)	Acrylic (AS-269) 1.0 mil (25.4 μ)	Clear PET film 2.0 mils (50.8 μ)	5.0 mils (127.0 μ)	-40 (-40)	300 (149)	6	4
93368	Ultra low outgassing version with better LSE adhesion. Metalized polyester film carrier minimizing moisture vapor transmission. Electrically conductive carrier. Acid-free acrylic adhesive with Ultra-low silicone extractable liner and plastic core. Clean strippability for rework.	-	-	Metalized PET film 2.0 mils (50.8 μ)	Acrylic (AS-277) 1.0 mil (25.4 μ)	Clear ultra-low extractables PET film 2.0 mils (50.8 μ)	5.0 mils (127.0 μ)	-40 (-40)	300 (149)	6	6
Double-coated											
89146970	Permanent adhesive on one side and cleanly strippable adhesive on the other side. Acid-free Acrylic adhesive with low silicone extractable liners on both sides. PET film carrier provides dielectric barrier between bonded surfaces. 89148081 is the same as 89146970 with a Non-Silicone Release (NSR) liner on both sides.	Clear PET film 2.0 mils (50.8 μ)	Strippable Acrylic (AS-139) 1.5 mils (38.1 μ)	White PET film 2.0 mils (50.8 μ)	Permanent Acrylic (AS-139) 1.5 mils (38.1 μ)	Clear PET film 2.0 mils (50.8 μ)	8.5 mils (215.9 μ)	-40 (-40)	300 (149)	5	5
89148081		Clear NSR PET film 2.0 mils (50.8 μ)	Strippable Acrylic (AS-139) 1.5 mils (38.1 μ)	White PET film 2.0 mils (50.8 μ)	Permanent Acrylic (AS-139) 1.5 mils (38.1 μ)	Clear NSR PET film 2.0 mils (50.8 μ)	9.0 mils (228.6 μ)	-40 (-40)	300 (149)	5	5
90176	Withstands extremes in temperature and humidity with acid-free adhesive and low extractable anions. Minimizes corrosion of delicate Indium Tin Oxide (ITO) or conductive surfaces. Double release liner system. (Tight release of polycoated Kraft with stiffness for easy handling and lay flat liner/easy release polyester film liner for easy inspection of part. Consistent caliper for spacer application. 90178 is a thinner carrier version (1.5 mils) of 90176 (2.0 mils).	Polycoated Kraft 6.5 mils (165.1 μ)	Acrylic (AS-144) 1.5 mils (38.1 μ)	PET film 2.0 mils (50.8 μ)	Acrylic (AS-144) 1.5 mils (38.1 μ)	Clear PET film 2.0 mils (50.8 μ)	13.5 mils (342.9 μ)	-40 (-40)	300 (149)	5	5
90178		Polycoated Kraft 6.5 mils (165.1 μ)	Acrylic (AS-144) 1.5 mils (38.1 μ)	PET film 0.5 mils (12.7 μ)	Acrylic (AS-144) 1.5 mils (38.1 μ)	Clear PET film 2.0 mils (50.8 μ)	12.0 mils (304.8 μ)	-40 (-40)	300 (149)	5	5

Values : 10= High Performance; 1= Low Performance (e.g. Heat Activated Tape: HSE=9, LSE=8)

HSE: High Surface Energy, LSE: Low Surface Energy

Note: All stated values are nominal and should only be used as a guide for selection. They are not specifications.

Electrically Conductive Tapes

Product	Description/Application	Z or XYZ Conductivity (Based on AR Test Method)	Conductive Filler Type	Tape Construction (Type and Thickness)						Service Temp. Range		Resistance		Relative Adhesion	
				Liner	Adhesive	Backing or Carrier	Adhesive	Liner	Total Thickness	Low °F (°C)	High °F (°C)	Z-axis	Sheet/Surface	HSE	LSE
Transfer Tape															
8006	Unsupported, self-wound transfer tape. Excellent Z axis conductivity. Uses a double-coated kraft release liner. Low X, Y resistance, Pressure-sensitive tape format for instant bonding in electrical interconnect applications, Acrylic binder resin for good thermal, chemical and oxidative stability. 1.0 mil low coat conductive adhesive.	XYZ	Carbon black	-	-	-	Conductive Acrylic (EC-2) 1.0 mil (25.4 μ)	Double-sided Kraft 3.2 mils (81.3 μ)	4.2 mils (106.7 μ)	-20 (-29)	250 (121)	<5Ω	<30kΩ	5	4
9032	Unsupported, transfer tape with excellent Z axis conductivity. Used in EMI shields, interconnects, and ground planes. 1 mil low coat conductive adhesive.	Z	Metal powder & Carbon black	-	-	-	Conductive Acrylic (EC-27) 2.0 mil (25.4 μ)	PET film 2.0 mils (50.8 μ)	3.0 mils (76.2 μ)	-20 (-29)	250 (121)	<10mΩ	> 10kΩ	5	4
90903	Transfer tape used for low current electrical interconnections and ground plane applications.	Z	Metal powder & Carbon black, Silver spheres	PET film 2.0 mils (50.8 μ)	-	-	Conductive Acrylic (EC-28) 2.0 mils (50.8 μ)	PET film 2.0 mils (50.8 μ)	6.0 mils (152.4 μ)	-20 (-29)	250 (121)	<15mΩ	<10kΩ	5	4
Double-coated Tape															
800175	Unsupported, self-wound transfer tape. Excellent Z axis conductivity. Uses a double-coated Kraft release liner. Low X, Y resistance, Pressure-sensitive tape format for instant bonding in electrical interconnect applications, Acrylic binder resin for good thermal, chemical and oxidative stability. 1.0 mil low coat conductive adhesive.	XYZ	Carbon black	Siliconized polycoated paper 6.3 mils (160.0 μ)	Conductive Acrylic (EC-2)	Highly conductive non-woven	Conductive Acrylic (EC-2)	Siliconized white PET film 2.0 mils (50.8 μ)	12.6 mils (320.0 μ)	-20 (-29)	250 (121)	<10Ω	<15Ω	5	4
4.3 mils (109.2 μ)															
800177	Unsupported, self-wound transfer tape. Excellent Z axis conductivity. Uses a double-coated Kraft release liner. Low X, Y resistance, Pressure-sensitive tape format for instant bonding in electrical interconnect applications, Acrylic binder resin for good thermal, chemical and oxidative stability. 1.0 mil low coat conductive adhesive.	XYZ	Carbon black	Single-faced siliconized polycoated paper 6.3 mils (160.0 μ)	Conductive Acrylic (EC-2)	Highly conductive non-woven	Conductive Acrylic (EC-2)	Double-faced siliconized polycoated paper 6.3 mils (160.0 m)	16.9 mils (429.3 μ)	-20 (-29)	250 (121)	<10Ω	<15Ω	5	4
4.3 mils (109.2 μ)															
92452	Consists of two conductive adhesive layers supported by conductive non-woven carrier. Better temp. capabilities than EC-2 and EC-27, designed for applications with small contact areas where robust thermal shock and accelerated aging performance is critical. Electrical conductivity maintained for pitches as small as 400μ x 200μ.	XYZ	Metal powder & Carbon black	Clear PET film 2.0 mils (50.8 μ)	Strippable conductive Acrylic (EC-31)	Highly conductive non-woven	Permanent conductive Acrylic (EC-30)	White PET film 2.0 mils (50.8 μ)	6.9 mils (175.3 μ)	-20 (-29)	250 (121)	<10mΩ	<10kΩ	5	4
2.9 mils (73.7 μ)															
92463	Double coated copper foil. High X-Y-Z conductivity on small contact areas. Electrical conductivity maintained for pitches as small as 400μ x 200μ. Used in EMI shields, interconnects and ground planes.	XYZ	Metal powder & Carbon black, Silver sphere	Clear PET film 2.0 mils (50.8 μ)	Conductive Acrylic (EC-32) 1.65 mils (41.9 μ)	Copper foil 0.7 mils (17.8 μ)	Conductive Acrylic (EC-32) 1.65 mils (41.9 μ)	Clear PET film 2.0 mils (50.8 μ)	8.0 mils (203.2 μ)	-20 (-29)	250 (121)	<15mΩ	<10kΩ	5	4
Single-coated Tape															
8269	Single-coated tape on Electron [®] Ni/Cu polyester woven. Highly flexible and high performance EMI shielding tape for grounding applications. Exceptional conformability, Easy to die cut and apply.	Z	Metal powder & Carbon black	-	-	Metalized fabric 3.0 mils (76.2 μ)	Conductive Acrylic (EC-27) 1.0 mil (25.4 μ)	Highly polycoated Kraft liner 6.0 mils (152.4 μ)	10 mils (254.0 μ)	-40 (-40)	250 (121)	5mΩ	50mΩ (fabric side) / 160mΩ (adh side)	5	4
90038	Single-coated tape. High conductive adhesive for EMI shielding and bus bar applications. The tin-coated copper is an electronic grade foil that provides oxidation and corrosion resistance and withstands elevated temperature and thermal cycle when encapsulated in photovoltaic module. Two different versions: 90038 with tin-coated copper foil backing and 92570 with copper foil backing.	Z	Metal powder & Carbon black	-	-	Tin-coated copper foil 1.4 mils (35.6 μ)	Conductive Acrylic (E-27) 1.0 mil (25.4 μ)	Clear PET film 2.0 mils (50.8 μ)	4.4 mils (117.7 μ)	-40 (-40)	300 (149)	<2mΩ	<0.5Ω	5	4
92570		Z	Metal powder & Carbon black	-	-	Copper foil 0.7 mils (17.8 μ)	Conductive Acrylic (EC-27) 1.0 mil (25.4 μ)	Clear PET film 2.0 mils (50.8 μ)	3.7 mils (94.0 μ)	-40 (-40)	300 (149)	<2mΩ	<0.5Ω	5	4

Values: 10= High Performance; 1= Low Performance (e.g. Heat Activated Tape: HSE=9, LSE=8)

HSE: High Surface Energy, LSE: Low Surface Energy

Z-axis resistance: AR Test Method. Sheet/Surface resistance: AR Test Method 3036 probe measurement or equivalent as noted; Ω/square unless otherwise noted

Note: All stated values are nominal and should only be used as a guide for selection. They are not specifications.

Optically Clear Adhesive (OCA) Tapes

Product	Description/Application	Tape Construction (Type and Thickness)					Service Temp. Range		Optical Properties			Relative Adhesion		
		Liner	Adhesive	Backing or Carrier	Adhesive	Liner	Total Thickness	Low °F (°C)	High °F (°C)	Transmission	Clarity	Haze	HSE	LSE
Acrylic Adhesive														
92524	Optically clear transfer adhesive with double liners on both sides of the adhesive. Long term durability, Environmentally durable. Resists temperature extremes, humidity and UV light, Easy and mess-free processing and bonding. Not intended for use in contact with ITO surfaces or applications where corrosion is a concern.	Optically Clear PET film 2.0 mils (50.8 μ)	-	-	Optically Clear Acrylic (AS-200) 1.0 mil (25.4 μ)	Optically Clear PET film 2.0 mils (50.8 μ)	5.0 mils (127.0 μ)	-40 (-40)	200 (93)	>99%	>98%	<0.5%	6	6
92469	Optically clear transfer adhesive with double liners on both sides of the adhesive, incorporating properties of low outgassing, Acid-free acrylic adhesive with Low extractable ions. Will not cause corrosion of ITO coated substrates.	Optically Clear PET film 1.5 mils (38.1 μ)	-	-	Optically Clear Acrylic (AS-273) 2.0 mils (50.8 μ)	Optically Clear PET film 2.0 mils (50.8 μ)	5.5 mils (139.7 μ)	-40 (-40)	200 (93)	>99%	>99%	<0.5%	5	4
92170	Self-wetting Acrylic adhesive coated on Anti-glare hard-coated PET film. Easily removable even after extended periods of time. Able to be repositioned repeatedly. High shear resistance prevents displacement. Supplied on scratch and chemically resistant film. Suggested for temporary protection to the surface of touch screens, flat panel displays, etc.	-	-	90 Gloss, Anti-Glare Hardcoated PET 3.0 mils (76.2 μ)	Optically Clear Self-Wetting Acrylic (SW-183) 2.0 mils (50.8 μ)	Optically Clear PET film 1.5 mils (38.1 μ)	6.5 mils (165.1 μ)	-40 (-40)	200 (93)	Adh (99%) / AG PET film (90%)	Adh (99%) / AG PET film (68%)	Adh (<0.5%) / AG PET film (8%)	4	4
Silicone Adhesive														
8932EE	Unsupported silicone transfer tape with double liners on the both sides of the adhesive. Bonds flexible to flexible or flexible to rigid optical components. Clean room suitable. Reduced flammability. Resists temperature extremes, humidity, and UV light. Long term durability, Environmentally durable. Easy and mess-free processing and bonding.	PET film 2.0 mils (50.8 μ)	-	-	Optically Clear Silicone (SR-22A) 1.6 mils (40.64 μ)	PET film 2.0 mils (50.8μ)	5.6 mils (142.2 μ)	-100 (-73)	500 (260)	≥98%	≥98%	≤2%	7	7
93407	Thick silicone transfer tape with high peel, low flammability, high adhesion to glass. Long term environmental durability. Resists temperature extremes, humidity and UV light. Easy and mess-free processing and bonding. Suggested for bonding of flexible-to-flexible or flexible-to-rigid optical components such as backlights, polarizers, filters, retarders and diffusers, and holographic, anti-reflective and hardcoated films as used in projection screens, touch screens, LCDs and flat panel displays. 93408 and 93338 are thicker adhesive versions (6.0 mils and 10 mils of adhesives respectively) of 93407 (4.0 mils adhesive).	PET film 2.0 mils (50.8 μ)	-	-	Optically Clear Silicone (SR-34C) 4.0 mils (101.6 μ)	PET film 2.0 mils (50.8μ)	8.0 mils (203.2 μ)	-100 (-73)	500 (260)	>98%	>98%	<1%	7	7
93408		PET film 2.0 mils (50.8 μ)	-	-	Optically Clear Silicone (SR-34C) 6.0 mils (152.4 μ)	PET film 2.0 mils (50.8 μ)	10.0 mils (254.0 μ)	-100 (-73)	500 (260)	>98%	>98%	<1%	7	7
93338		PET film 2.0 mils (50.8 μ)	-	-	Optically Clear Silicone (SR-34C) 10.0 mils (254.0 μ)	PET film 2.0 mils (50.8 μ)	14.0 mils (355.6 μ)	-100 (-73)	500 (260)	>98%	>98%	<1%	7	7
93491		PET film 2.0 mils (50.8 μ)	-	-	Optically Clear Silicone (SR-29) 0.5 mils (12.7 μ)	PET film 2.0 mils (50.8 μ)	4.5 mils (142.2 μ)	-100 (-73)	500 (260)	99%	98-99%	<1%	7	7
93816	High chemical and thermoxidative resistant. Non-yellowing. Suggested for high temperature, high humidity applications and applications that involve chemical exposure. Broad adhesion properties suitable for use on high surface energy substrates such as glass or metal, as well as non-polar plastic substrates.	PET film 2.0 mils (50.8 μ)	-	-	Optically Clear Silicone (SR-29) 1.0 mil (25.4 μ)	PET film 2.0 mils (50.8 μ)	5.0 mils (142.2 μ)	-100 (-73)	500 (260)	99%	98-99%	<1%	7	7
93495		PET film 2.0 mils (50.8 μ)	-	-	Optically Clear Silicone (SR-29) 1.6 mils (40.6 μ)	PET film 2.0 mils (50.8 μ)	5.6 mils (142.2 μ)	-100 (-73)	500 (260)	99%	98-99%	<1%	7	7

Values : 10= High Performance; 1= Low Performance (e.g. Heat Activated Tape: HSE=9, LSE=8)

HSE: High Surface Energy, LSE: Low Surface Energy

Optical properties: AR Test Method #4064

Note: All stated values are nominal and should only be used as a guide for selection. They are not specifications.

Heat Activated Adhesive Tapes

Product	Description/Application	Tape Construction (Type and Thickness)					Service Temp. Range		Relative Adhesion		
		Liner	Adhesive	Backing or Carrier	Adhesive	Liner	Total Thickness	Low °F (°C)	High °F (°C)	HSE	LSE
Thermoplastic											
92087	Heat activated thermoplastic transfer tape, self-wound, forms strong bonds to a broad range of substrates including steel, plastic, vinyl, polar surfaces (e.g. foams, textiles etc.). Rapid bonding at >212°F (100°C), >1minute, 20 psi. 92686 is a thinner version (2.4mils) of 92087 (4 mils) and 92686 is the thinnest version (1.2 mils).	-	-	-	Polyester (HA-24) 4.0 mils (101.6 µ)	PET film 2.0 mils (50.8 µ)	6.0 mils (152.4 µ)	-40 (-40)	200 (93)	8	7
93686		-	-	-	Polyester (HA-24) 2.4 mils (61.0 µ)	PET film 2.0 mils (50.8 µ)	4.4 mils (11.7 µ)	-40 (-40)	200 (93)	8	7
93685		-	-	-	Polyester (HA-24) 1.2 mils (30.5 µ)	PET film 2.0 mils (50.8 µ)	3.2 mils (81.3 µ)	-40 (-40)	200 (93)	8	7
Thermosetting											
7353	Heat activated thermoset double-coated tape. Excellent penetration to fiberglass and textiles. Superior bond strength provides solvent and temperature resistance. Conformable to curved surface applications.	-	Nitrile Phenolic (HA-18)	Non-woven PET supported	Nitrile Phenolic (HA-18)	Kraft paper siliconized 2.5 mils (63.5 µ)	11.1 mils (281.0 µ)	-40 (-40)	300 (150)	9	7
797039	Heat activated thermoset transfer film made with a polyester resin and a second stage crosslinker. Superior plasticizer and chemical resistance. Conformable to curved surface applications. Will bond to surfaces not normally suited for pressure-sensitive adhesives such as thinner and less dense materials (e.g. foams, corks, felts, tissue, plastics, etc.). 7970PET is a thinner version (1.2 mils) of 797039 (2 mils) with 2 mils PET film liner.	-	-	-	Polyester (HA-3) 2.0 mils (50.8 µ)	Kraft paper siliconized 3.0 mils (76.2 µ)	5.0 mils (127.0 µ)	-40 (-40)	300 (150)	9	8
7970PET		-	-	-	Polyester (HA-3) 1.2 mils (30.5 µ)	PET film 2.0 mils (50.8 µ)	3.2 mils (81.3 µ)	-40 (-40)	300 (150)	9	8
92274	Printable Heat Activated thermoset Label version of 797039, having superior plasticizer and chemical resistance with thicker adhesives which imparts excellent conformability to the irregular or less dense surfaces.	-	-	Printable White PET film (Face Stock) 2.0 mils (50.8 µ)	Polyester (HA-3) 5.0 mils (127.0 µ)	Paper 3.2 mils (81.3 µ)	10.2 mils (259.1 µ)	-40 (-40)	300 (150)	9	8
93020	Thermoset high adhesion and temperature resistance with convenient handling and bonding process, designed to activate adhesive with mild heat and pressure (i.e. 95°C/203°F, 10psi) for initial bonding/positioning to a substrate, and form high heat resistant bond upon exposure to UV energy (200-300mJ/cm ² UVB). Having an open time of up to 3 hours after the initial activation, combines two substrates with heat and pressure at the temperature of 120°C (248°F) only for 90 seconds to reach an ultimate bonding strength. This enables the process to use a UV curable adhesive even on opaque parts. UV-blocking release liner, 6 month shelf life at ambient temperature in the un-activated state.	-	-	-	PET/EPX (HA-37) 3.0 mils (76.2 µ)	White PET UV blocking film 2.0 mils (50.8 µ)	5.0 mils (127.0 µ)	-40 (-40)	300 (150)	9	8

Other Specialty Tapes

Moisture Barrier Tapes											
92734	1.0 mil Optically Clear moisture barrier rubber PSA with double liners on both sides of the adhesive: 1) Good moisture barrier properties (2.2 g-mil/m ² -day), low equilibrium moisture uptake; 2) Good Optically Clear properties (High optical transmission: 99.8%, high clarity: 87.5%, low haze: 0.04%), non-yellowing, High thermoxidative stability and chemical resistance.	Clear PET Tight rel. film 2.0 mils (50.8 µ)	-	-	Optically Clear Moisture Barrier Rubber (AS-221) 1.0 mil (25.4 µ)	Clear PET Easy rel. film 2.0 mils (50.8 µ)	5.0 mils (127.0 µ)	-58 (-50)	140 (60)	6	7
93378	1.0 mil Optically Clear moisture barrier rubber PSA. Hydrophobic adhesive with excellent UV stability: 1) Good moisture barrier properties (Moisture permeability: 2.3g-mil/m ² -day), low equilibrium moisture uptake; 2) Good Optically Clear Properties (High optical transmission: >99%, high clarity: >95%, low haze: 0.50%), non-yellowing, high thermoxidative stability and chemical resistance. Uncross-linked, and as such is not recommended for high shear and high temperature applications.	Clear PET Tight rel. film 2.0 mils (50.8 µ)	-	-	Optically Clear Moisture Barrier Rubber (PR-4) 1.0 mil (25.4 µ)	Clear PET Easy rel. film 2.0 mils (50.8 µ)	5.0 mils	-58 (-50)	140 (60)	6	7
Multi-purpose Silicone Adhesive Tapes											
8458	Double-coated tape with a polyetherimide carrier film designed for use in very high temperature and very low temperature applications with excellent long term stability.	Clear PET film 2.0 mils (50.8 µ)	Silicone (SR-11)	Polyetherimide film	Silicone (SR-11)	Clear PET film 2.0 mils (50.8 µ)	9.3 mils (236.2 µ)	-40 (-40)	500 (260)	7	7
92892	High chemical and thermoxidative resistance. Non-yellowing. Suggested for high temperature, high humidity applications and applications that involve chemical exposure. Broad adhesion properties suitable for use on high surface energy substrates such as glass or metal, as well as non-polar plastic substrates. Thinner versions of 92892: 93640 (0.5mils SR-29), 93684 (1.0 mil SR-29).	PET film 2.0 mils (50.8 µ)	-	-	Silicone (SR-43) 2.0 mils (50.8 µ)	PET film 2.0 mils (50.8 µ)	6.0 mils (152.4 µ)	-100 (-73)	500 (260)	7	7
93680	Double-coated tape with silicone adhesive on one side and acrylic adhesive on the other side having a supported 0.5 mil clear polyester film with two release liners. Long term durability – resists temperature extremes, humidity and UV light, Stable liner release over time under various conditions, Good for bonding to dissimilar surfaces, Easy, mess-free processing and bonding. High shear and peel strength. High chemical and thermoxidative resistance. Non-yellowing. Broad adhesion properties suitable for use on high surface energy substrates such as glass or metal, as well as non-polar plastic substrates.	Fluoro-silicone 2.0 mils (50.8 µ)	Silicone (SR-29) 0.5 mils (12.7 µ)	Clear PET film 0.5 mils (12.7 µ)	Acrylic (AS-200) 0.5 mils (12.7 µ)	White PET film 2.0 mils (50.8 µ)	5.5 mils (139.7 µ)	-40 (-40)	300 (149)	8	8

Values : 10= High Performance; 1= Low Performance (e.g. Thermoset Heat Activated Tape: HSE=9, LSE=8)

HSE: High Surface Energy, LSE: Low Surface Energy

¹Moisture permeability: Mocon PERMATRAN-W Model 3/33, 100% RH, 25°C

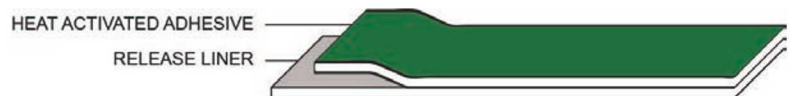
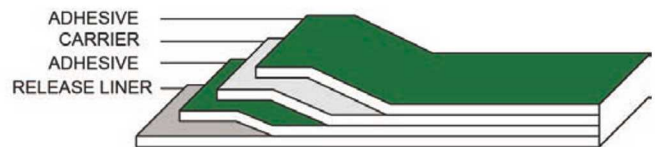
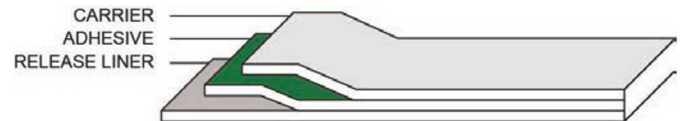
Note: All stated values are nominal and should only be used as a guide for selection. They are not specifications.

Our Pressure Sensitive Adhesives (PSAs)

- Rubber-Based Adhesives
- Acrylic Based Adhesives
- Silicone-Based Adhesives
- Heat-Activated Adhesives

Types of Tape

- Transfer Tape
- Single-Faced Tape
- Double-Faced Tape
- Heat-activated Film Tape
- High-performance Thin Foam Tape



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