



Double Sided Product Guide

Bonding you can trust



Why Scapa?



Scapa is a leading global manufacturer and supplier of technical adhesive tape solutions to virtually every industry. Scapa offers specialist application expertise and products from stock or as custom design, either directly or through a network of authorised distributors.

Our portfolio of double sided and transfer tapes includes solvent acrylics, hot melt, rubber and high performance silicone adhesive systems. These products deliver high performance in the most demanding of applications in markets such as: electronics, industrial, graphics and retail industries.

In addition to our comprehensive double sided and transfer tapes ranges, we also produce a range of single sided filmic, cloth, foil and foam products, plus specialist tape solutions for niche market areas.

Our double sided bonding materials can:

- Reduce mechanical fixing / relieve stress concentrations
- Bond dissimilar materials and a process aid in fabrication
- Accommodate thermal expansion
- Be a thermal insulator / electrical insulator
- Acts as a separator and maintain a constant gap between two substrates
- May act as an anti-vibration and dampening medium

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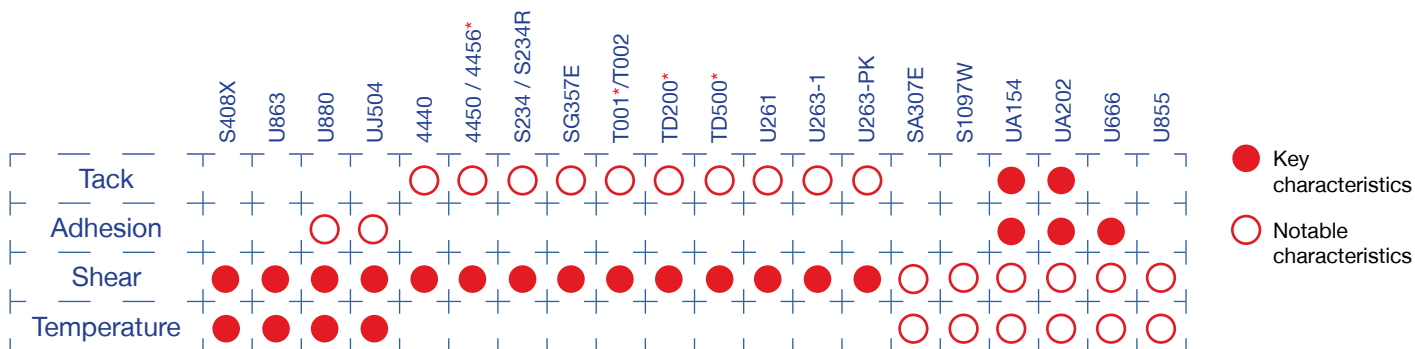
Acrylic Adhesives



Scapa's acrylic adhesives bond rapidly and are very strong due to the cross linking of the polymers created from the acrylic acid. This leads to an improved adhesion performance in terms of shear, tack and peel.

Common features associated with these products are:

- Excellent temperature resistance from -40°C to + 150°C (and for short term a higher operating temperature)
- Great adhesion onto a variety of surfaces
- Solvent, humidity and UV resistance



Firm

Product	Description	Total Thickness (mm)	Colour	Carrier	Liner	Peel Adhesion to Steel (N/25mm)	Operating Temperature	Applications
S408X	Dublfilm® very thin double coated acrylic product. Firm and cohesively strong adhesive.	0.046	Transparent	Polyester	Kraft	11	-40°C to +149°C (+182°C)	High temperature gasketing. Lamination to foam for sound control.
U863	Unifilm® thin acrylic transfer adhesive. Excellent shear strength at very high temperatures with good tack and peel adhesion to a variety of substrates.	0.05	Transparent	-	Polycoated	15.5	-40°C to +204°C	High temperature industrial applications. Screen printing and flexible printed circuits.
U880	Good shear strength and long term aging properties.	0.05	Transparent	-	Polycoated	15	-40°C to +149°C	High temperature mounting gasketing, splicing of film and paper webs, membrane switch fabrication.
UJ504	High peel, shear and heat resistance. High cohesive strength provides resistance to creep.	0.127	Transparent	-	Polycoated	23	-40°C to +149°C (+182°C)	High temperature gasketing. Lamination to foam for sound control.

Medium Firm MF1

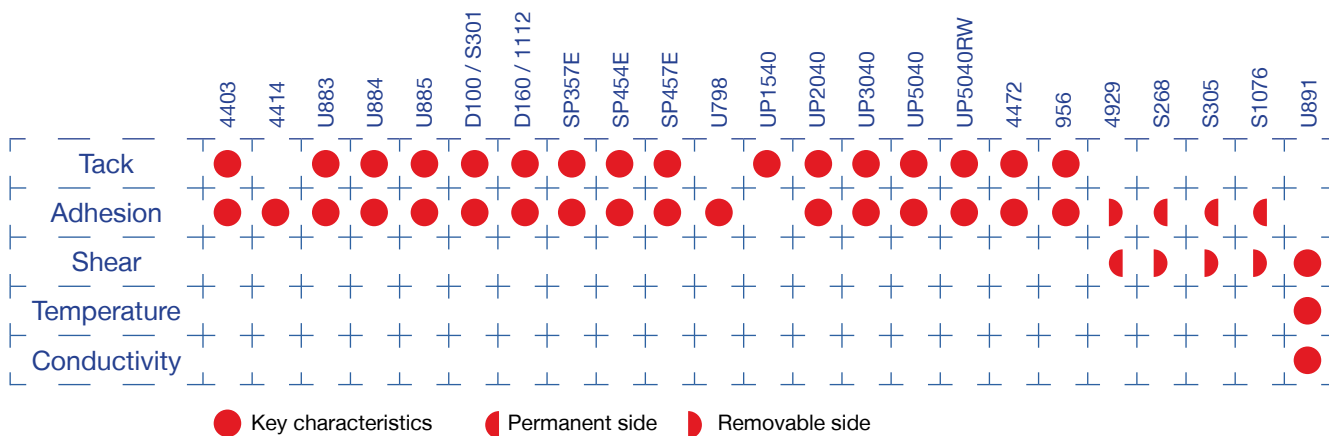
Product	Description	Total Thickness (mm)	Colour	Carrier	Liner	Peel Adhesion to Steel (N/25mm)	Operating Temperature	Applications
4440	General purpose light weight hand tearable tissue. Good UV and ageing properties.	0.1	White	Tissue	Polycoated	9.6	-20°C to +120°C	Core starting, end tabbing. Fascia assembly. Nameplate bonding.
4450 / 4456*	Excellent UV and temperature resistance. Long ageing performance. Adhesive contains glass fibres for easier converting.	0.04	Clear	-	Glassine	6.5	30°C to +150°C (+180°C)	Core starting and end tabbing. Display item mounting, albums, POS assembly.
S234 / S234R	High tack and fast grab. Provides excellent quick stick, holding power and heat resistance.	0.086	Translucent / Red	Polyester	Kraft	12.5	-40°C to +121°C	High speed flying splice of papers, film and foils.
SG357E	Fast grabbing acrylic with excellent holding power and heat resistance.	0.089	Translucent	Polyester	Kraft	12.5	-40°C to +121°C	High speed splicing of papers, films and foils. Resealable polybags.
T001* / T002	Excellent UV and temperature resistance. Long ageing performance. Adhesive contains glass fibres for easier converting.	0.04	Clear	-	Glassine	6.5	-40°C to +150°C (+180°C)	Splicing, product assembly laminating, flying splice (paper and cardboard).
TD200*	Unifilm® permanent acrylic adhesive reverse wound for tape dispensing system. Adhesive contains glass fibres for easier converting.	0.048	Translucent	-	Kraft	11.7	-40°C to +121°C	Picture framing, graphic arts, product assembly.
TD500*	Unifilm® permanent acrylic adhesive reverse wound for tape dispensing system. Adhesive contains glass fibres for easier converting.	0.127	Translucent	-	Kraft	16.4	-40°C to +121°C	Picture framing, graphic arts, product assembly.
U261	Unifilm® thicker high performance transfer adhesive system for demanding high speed flying splices. Adhesive contains glass fibres for easier converting.	0.127	Transparent	-	Kraft	16.4	-40°C to +121°C	High speed flying splices (paper and plastic films).
U263-1	Unifilm® thin high performance transfer adhesive system for demanding high speed flying splices. Adhesive contains glass fibres.	0.05	Transparent	-	Kraft	11.7	-40°C to +121°C	High speed flying splices (paper and plastic films).
U263-PK	Unifilm® pink acrylic transfer adhesive specifically for demanding high speed flying splices. Very high quick stick. Excellent holding power at elevated oven temperatures. Adhesive contains glass fibres for easier converting.	0.048	Pink	-	Kraft	11.4	-40°C to +121°C	Flying splices, envelope closure.

* For use with dispenser

Medium Firm MF2

Product	Description	Total Thickness (mm)	Colour	Carrier	Liner	Peel Adhesion to Steel (N/25mm)	Operating Temperature	Applications
SA307E	Good tack and peel adhesion with moderate shear and heat resistance.	0.076	Translucent	Polyester	Kraft	13.9	-40°C to +121°C	Bonding faceplates, decorative trims, photo mounting.
S1097W	Dubfilm® double coated PP carrier with acrylic adhesive providing excellent balance of peel, tack and holding power.	0.088	White	Polypropylene	Polycoated	12.5	-40°C to +121°C	For photo mounting. Does not discolour photographs.
UA154	High tack and quick stick, excellent adhesion to glass and paper, good peel and cohesive strength.	0.038	Transparent	-	Polycoated	19	-40°C to +121°C	General purpose bonding. Nameplates and faceplate mounting. Printing and graphics.
UA202	High tack and quick stick, excellent adhesion to glass and paper, good peel and cohesive strength.	0.05	Transparent	-	Kraft	23	-40°C to +121°C	General purpose bonding. Nameplates and faceplate mounting. Printing and graphics.
U666	Unifilm® high performance transfer adhesive with good peel and cohesive strength. Adhesive contains UV blocker to protect materials underneath. Developed to bond registration stickers to car windshields.	0.038	Translucent	-	Polycoated	13.6	-40°C to +121°C	Lamination to glass and paper, application of decorative parts.
U855	Unifilm® acrylic transfer exhibiting high peel, shear with well balanced adhesive and cohesive properties. Good LSE performance.	0.127	Translucent	-	Polycoated	22.2	-40°C to +100°C	Foam fabrication. Excellent anchorage to PE, EVA, ester and ether Polyurethanes. Bonding of porous surfaces including fabrics and wood.

Acrylic Adhesives



Medium Soft LSE

Product	Description	Total Thickness (mm)	Colour	Carrier	Liner	Peel Adhesion to Steel (N/25mm)	Operating Temperature	Applications
4403	High tack and adhesion on low and high surface energy substrates.	0.24	Translucent	PVC	Polycoated	30	-30°C to +70°C	Mirror mounting, POS assembly and trim attachment.
4414	High tack and adhesion to low and high surface energy substrates.	0.17	Translucent	Polyester	Glassine	22	-40°C to +110°C (+140°C)	Rubber profile and extruded plastic profile bonding.
U883	High adhesion to most surfaces including LSE plastics with fast high peel strength. Excellent UV and humidity resistance. Adhesive contains glass fibres for easier converting.	0.08	Transparent	-	Polycoated	33	-40°C to +95°C	LSE plastic attachment, including to untreated polyolefin.
U884	High adhesion to most surfaces including LSE plastics with fast high peel strength. Excellent UV and humidity resistance. Adhesive contains glass fibres for easier converting.	0.127	Transparent	-	Polycoated	38.4	-40°C to +95°C	LSE plastic attachment, including to untreated polyolefin.
U885	High tack and adhesion coated onto moisture stable polythene coated white paper liner. Adhesive contains glass fibres for easier converting. Excellent UV and humidity resistance.	0.127	Translucent	-	Polycoated	31	-40°C to +95°C (+125°C)	Nameplates and faceplate bonding. Foam gasketing and sound attenuation.

Soft

Product	Description	Total Thickness (mm)	Colour	Carrier	Liner	Peel Adhesion to Steel (N/25mm)	Operating Temperature	Applications
4472	Thick acrylic transfer tape reinforced by a polyester grid.	0.2	Translucent	Polyester grid /acrylic	Glassine	24	-40°C to +120°C	Fixing of all vapour barrier and sub roof membranes including Tyvek®.
956	Lighter weight, hand tearable tissue, has high tack and adhesion.	0.10	Translucent	Tissue	Kraft	open side: 18.8 liner side: 22.5	-40°C to +80°C	Mounting sails, leather, nameplates. Core starting and end tabbing of films, foils, papers.
D100 / S301	Exceptional tack and high adhesion to most surfaces. Good plasticiser resistance. Specially suitable for EPDM rubber bonding.	0.21	Translucent	PVC	Kraft	32.5	-40°C to +70°C	Bonding rubber profiles and sound dampening materials. Foam gasketing.
D160 / S1112	Very high tack. Hand tearable. Good plasticiser resistance.	0.114	Transparent	Polyester	Kraft	31	-40°C to +95°C	Bonding rubber profiles and sound dampening materials. Foam gasketing.
SP357E	Extremely high tack and peel adhesion. Product adheres very well to low surface energy substrate.	0.089	Translucent	Polyester	Kraft	26	-40°C to +93°C	Foam gasketing, lamination to EPDM rubber. Acts as an assembly aid.

Soft (cont.)

Product	Description	Total Thickness (mm)	Colour	Carrier	Liner	Peel Adhesion to Steel (N/25mm)	Operating Temperature	Applications
SP454E	Exceptionally high tack and peel adhesion. Product bonds well to LSE substrates incl. ether and ester. Excellent resistance to environmental extremes.	0.114	Translucent	Polyester	Polycoated	open side: 29 liner side: 25	-40°C to +93°C	Foam fabrication. Challenging splicing applications. Bonding to EPDM rubber. Acts as an assembly aid.
SP457E	Extremely high tack and peel adhesion. Product adheres very well to low surface energy substrates.	0.114	Translucent	Polyester	Kraft	31.1	-40°C to +93°C	Foam gasketing, lamination to EPDM rubber. Acts as an assembly aid.
U798	Unifilm® high performance transfer adhesive with excellent adhesion especially to urethane foams. Adhesive contains glass fibres for easier converting.	0.102	Translucent	-	Polycoated	34	-40°C to +95°C (+127°C)	EPDM lamination, foam fabrication, splicing.
UP1540	Unifilm® very high tack. Adhesive contains glass fibres for easier converting. Excellent UV and humidity resistance.	0.038	Translucent	-	Polycoated	13	-40°C to +95°C (+125°C)	Lamination to foam for sound attenuation and vibration dampening. Mounting of rubber extrusions.
UP2040	Unifilm® very high tack. Adhesive contains glass fibres for easier converting. Excellent UV and humidity resistance.	0.05	Translucent	-	Polycoated	19	-40°C to +95°C (+125°C)	Foam gasketing and sound attenuation.
UP3040	Unifilm® good chemical and plasticiser resistance and withstands environmental extremes.	0.076	Translucent	-	Polycoated	36	-40°C to +95°C	Lamination of foam for gasketing and sound attenuation. Decorative parts assembly.
UP5040	Unifilm® thicker version of UP2040. Product contains glass fibres for easier die cutting. Especially designed for rougher surfaces.	0.127	Translucent	-	Polycoated	41	-40°C to +95°C (+125°C)	Foam gasketing and sound attenuation.
UP5040RW*	Unifilm® thicker version of UP2040. Product contains glass fibres for easier die cutting. Especially designed for rougher surfaces.	0.127	Translucent	-	Polycoated	41	-40°C to +95°C (+125°C)	Foam gasketing and sound attenuation.

* For use with dispenser

Special

Product	Description	Total Thickness (mm)	Colour	Carrier / Adhesive	Liner	Peel Adhesion to Steel (N/25mm)	Operating Temperature	Applications
4929	High performance, differentially coated flame retardant acrylic adhesives, light weight. Adhesive dark grey on open side, black on liner side.	0.14	Black - White	Polyester / acrylic	Glassine	open side: 8.75 liner side: 35	-40°C to +120°C	Carpet and galley mat fixing in aircraft. Passes flammability requirements of FAR/JAR/CS 25.853 (a) APP. F Pt 1(a)(1)(ii).
S268	Double sided bonding tape with removable acrylic adhesive on the liner side and a high performance, permanent acrylic on the open side.	0.07	Translucent	Polyester / permanent (open side), removable (liner side), acrylics	Kraft	open side: 12 liner side: 7.8	-40°C to +121°C	Temporary labels and decals, mounting of artwork, laminates to foam or felt.
S305	Double sided bonding tape with removable acrylic adhesive on the liner side and a high performance rubber on the open side.	0.066	Translucent	Polyester / rubber permanent (open side), acrylic removable (liner side)	Kraft	open side: 32.5 liner side: 7	-40°C to +121°C	Laminates to foams and felts for protective pads. Temporary mounting of artwork, labels and decals.
S1076	13 micron PET carrier with removable acrylic adhesive on liner side and high tack, high peel acrylic on the open side.	0.102	Translucent	Polyester / permanent (open side), removable (liner side), acrylics	Polycoated	open side: 28 liner side: 8	-40°C to +93°C	Temporary mounting of labels, protective packaging, foam and felt lamination.
U891	Electrically conductive through its thickness. Excellent Z direction conductivity.	0.05	Grey	- / Electrically conductive acrylic	Polycoated	8.8	-40°C to +150°C (+180°C)	EMI / RFI shielding.

Rubber Based Adhesives

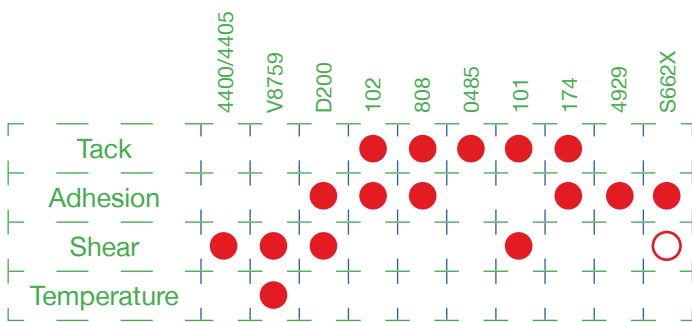


With pressure sensitive adhesive, based on natural or synthetic rubber, Scapa's range of rubber based adhesive products offer great adhesion to a variety of materials. These products offer balanced adhesion, coupled with residue free removal.

Common features associated with these products are:

- Very aggressive initial bond
- Good adhesion to materials with both high and low surface energy
- Variety of release liners available
- Cost effective

Product	Description	Total Thickness (mm)	Colour	Carrier / Adhesive	Liner	Peel Adhesion to Steel (N/25mm)	Operating Temperature	Applications
4400 / 4405	Clean removability from most surfaces. Low and high surface energy bonding. Not suitable for UV exposure.	0.1	Translucent	PVC / cross linked rubber	Glassine / Kraft	12	-10°C to +70°C	Mounting display items, dummy packs, sample cards.
V8759	Bonding, holding and laminating where a dielectric insulation barrier is required.	0.1	Yellow	Polyester / thermosetting rubber	Glassine	10.5	+130°C (Thermal Class B)	Reinforcement of output wires. Fixing of coils and end connections. Laminate metallic foils for EMI/RFI shielding.
D200	23 micron PET carrier with extreme plasticiser resistant adhesive. Clean removal and high shear.	0.07	Transparent	Polyester / rubber	Kraft	open side: 11.5 liner side: 16.25	-10°C to +70°C	Temporary bonding of highly plasticised PVC mats onto wooden varnished flooring and sports floor coverings.
102	A hand tearable cloth tape, suitable for more uneven surfaces.	0.21	White	Cloth / rubber resin	Kraft	>35	-10°C to +50°C (+65°C)	Carpet and floor covering fixing. Core starting and end tabbing.
808	General purpose tape with high conformability and tack. Not UV light resistant.	0.1	White	Polypropylene / hot melt rubber	Glassine	12.5	-10°C to +50°C (+65°C)	Carpet fixing and floor covering. Exhibition booth assembly.



- Key characteristics
- Notable characteristics

Product	Description	Total Thickness (mm)	Colour	Carrier / Adhesive	Liner	Peel Adhesion to Steel (N/25mm)	Operating Temperature	Applications
0485	Very aggressive, pressure sensitive adhesive mass. Forms a watertight bond. Not suitable for UV light exposure.	0.4, 1, 2	Amber	- / rubber resin	Glassine	NA	0°C to +40°C	Third hand fix in building insulation to walls. Plastic sheet jointing, mounting signs and tiles. Fixing roofing bars on commercial vehicles. Carpet fixing.
101	A hand tearable cloth tape suitable for more uneven surfaces with good humidity resistance.	0.33	White	Cloth / rubber resin	Kraft	11.25	-15°C to +70°C	Mounting flexographic rubber plates. Attachment of abrasive discs.
174	A hand tearable, aggressive adhesive tape.	0.33	White	Cloth / rubber resin	Kraft	15	-15°C to +70°C	Carpet installation where a very aggressive adhesive is required. Print plate mounting.
S662X	High tack and high peel. Bonds well to various substrates including low surface energy surfaces.	0.08	Translucent	Polyester / rubber	Kraft	open side: 37 liner side: 42	-40°C to +43°C	Attachment of decorative trims, cork, felt, foam fabrication. Bonding abrasive discs.

Acrylic Foam Film Tapes (AFFT)



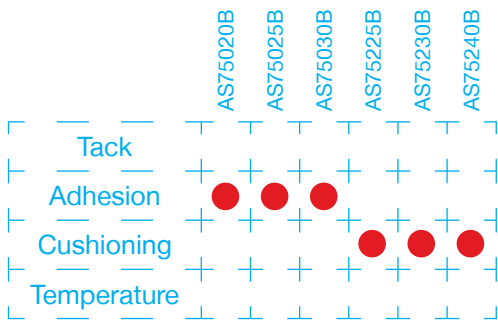
Scapa has developed and manufactures a high performance PET double sided acrylic foam film tape (AFFT) range, that is widely used in display, laptop, mobile phone and camera applications.

Common features associated with these products are:

- Excellent long term adhesion to metals and a variety of engineered plastics
- Vibration damping and impact resistance
- Excellent dimensional stability / die cuttability due to the PET carrier

Product	Total Thickness (mm)	Colours	Peel Adhesion to Steel (N/25mm)	**Push-Out (N/area)	Static shear at 93°C (g)	Operating Temperature	Features
AS75020B	0.2	Black	20 - 25	55	500	-30°C to 80°C (long-term) Up to 100°C (short-term)	Excellent adhesion to plastics. Very high initial tack. Perfect light shielding.
AS75025B	0.25	Black	20 - 25	55	500	-30°C to 80°C (long-term) Up to 100°C (short-term)	Excellent adhesion to plastics. Very high initial tack. Perfect light shielding.
AS75030B	0.3	Black	20 - 25	55	500	-30°C to 80°C (long-term) Up to 100°C (short-term)	Excellent adhesion to plastics. Very high initial tack. Perfect light shielding.

** 1mm width, 40mm x 70mm square



● Key characteristics

Product	Total Thickness (mm)	Colours	Peel Adhesion to Steel (N/25mm)	**Push-Out (N/area)	Static shear at 93°C (g)	Operating Temperature	Features
AS75225B	0.25	Black	20 - 25	60	500	-30°C to 80°C (long-term) Up to 100°C (short-term)	Good adhesion to various substrates. Improved cushioning performance. Perfect light shielding.
AS75230B	0.3	Black	20 - 25	60	500	-30°C to 80°C (long-term) Up to 100°C (short-term)	Good adhesion to various substrates. Improved cushioning performance. Perfect light shielding.
AS75240B	0.4	Black	20 - 25	60	500	-30°C to 80°C (long-term) Up to 100°C (short-term)	Good adhesion to various substrates. Improved cushioning performance. Perfect light shielding.

** 1mm width, 40mm x 70mm square

Thermal Conductive Tapes

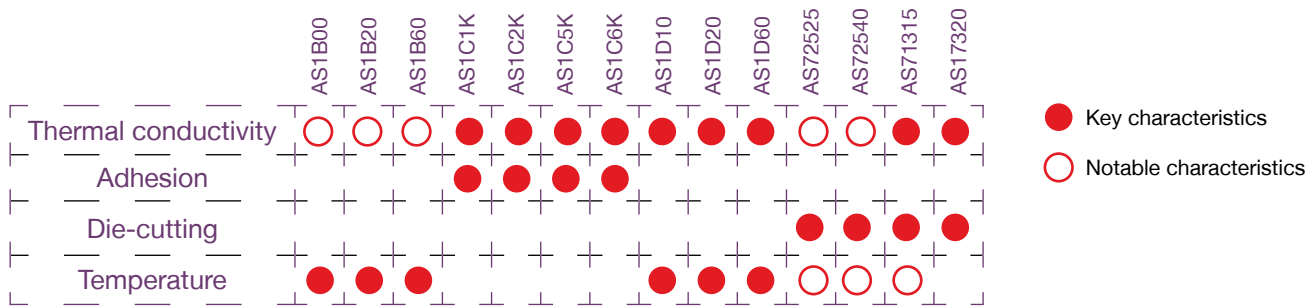


Scapa's range of high performance thermal conductive acrylic foam tapes have a balanced performance acrylic adhesion on both sides. They are designed to provide a preferential heat transfer path between heat generating components and heat sinks or other cooling devices.

Common features associated with these products are:

- Halogen free tape
- Very good bonding performance to a multitude of substrates
- High bond strength with heat dissipation functionality
- Pressure sensitive acrylic adhesives with thermal conductive properties

AFT Type (No filmic liner)	Total Thickness (mm)	Peel Adhesion to Steel (N/25mm)	Thermal conductivity (W/m K)	Static shear at 25°C (g)	Static shear at 93°C (g)	Operating Temperature	Features
AS1B00	0.25	8	1	1000	1000	-20°C to 120°C (long-term) Up to 150°C (short-term)	Higher thermal conductivity with medium adhesion and bond strength.
AS1B20	0.5	10	1	1000	1000	-20°C to 120°C (long-term) Up to 150°C (short-term)	Higher thermal conductivity with medium adhesion and bond strength.
AS1B60	1	12	1	1000	1000	-20°C to 120°C (long-term) Up to 150°C (short-term)	Higher thermal conductivity with medium adhesion and bond strength.
AS1C1K	0.4	25	2	1000	1000	-20°C to 90°C (long-term) Up to 120°C (short-term)	High adhesion and bond strength with high thermal conductivity.
AS1C2K	0.5	25	2	1000	1000	-20°C to 90°C (long-term) Up to 120°C (short-term)	High adhesion and bond strength with high thermal conductivity.



AFT Type (No filmic liner)	Total Thickness (mm)	Peel Adhesion to Steel (N/25mm)	Thermal conductivity (W/m K)	Static shear at 25°C (g)	Static shear at 93g	Flame Retardant UL®94	Operating Temperature	Features
AS1C5K	0.8	30	1.2	1000	1000	-	-20°C to 90°C (long-term) Up to 120°C (short-term)	High adhesion and bond strength with high thermal conductivity.
AS1C6K	1	35	1.2	1000	1000	-	-20°C to 90°C (long-term) Up to 120°C (short-term)	High adhesion and bond strength with high thermal conductivity.
AS1D10	0.4	5	2.5	-	-	V0	-20°C to 120°C (long-term) Up to 150°C (short-term)	Very high thermal conductive pad.
AS1D20	0.5	5	2.5	-	-	V0	-20°C to 120°C (long-term) Up to 150°C (short-term)	Very high thermal conductive pad.
AS1D60	1	5	1.5	-	-	V0	-20°C to 120°C (long-term) Up to 150°C (short-term)	Very high thermal conductive pad.

AFT Type (With filmic liner)	Total Thickness (mm)	Peel Adhesion to Steel (N/25mm)	Thermal conductivity (W/m K)	Static shear at 25°C (g)	Static shear at 93g	Flame Retardant UL®94	Operating Temperature	Features
AS72525	0.25	25	0.8	1000	500	V0	-30°C to 100°C (long-term) Up to 120°C (short-term)	Good adhesion to various substrates. Best cushioning performance and perfect light shielding.
AS72540	0.4	30	0.8	1000	500	V0	-30°C to 100°C (long-term) Up to 120°C (short-term)	Good adhesion to various substrates. Best cushioning performance and perfect light shielding.
AS71315	0.15	20	1.2	1000	1000	VTM-0	-30°C to 100°C (long-term) Up to 120°C (short-term)	Acrylic foam film tape (PET core) with good adhesion and excellent die cut performance. Non flammable.
AS71320	0.2	20	1.2	500	500	VTM-0	-30°C to 100°C (long-term) Up to 120°C (short-term)	Acrylic foam film tape (PET core) with good adhesion and excellent die cut performance. Non flammable.

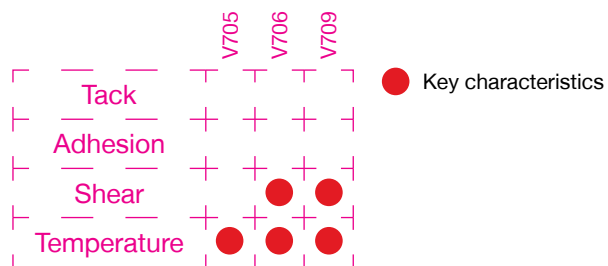
Silicone Based Adhesives



Based on elastomeric technology, Scapa's silicone adhesives offer flexibility and exceptionally high heat resistance, making them suitable for a wide range of applications in the electrical, electronic, automotive, aerospace and construction industries.

Common features associated with these products are:

- Outstanding temperature and environmental resistance
- The only adhesive to bond silicone surfaces
- High shear resistance at elevated temperatures



Product	Description	Total Thickness (mm)	Colours	Carrier / Adhesive	Liner	Peel Adhesion to Steel (N/25mm)	Operating Temperature	Applications
V705	23 micron PET carrier with differential adhesive construction. High chemical and UV resistance.	0.11	Transparent	Polyester / silicone and acrylic	Double-lined: Kraft on the acrylic side / Fluoro siliconised PET liner on the silicone adhesive side	open side (silicone): 5 liner side (acrylic): 11.25	-10°C to +160°C	Bonds silicone rubber profiles and weather strips onto HSE materials; splicing tape to join specially siliconised surfaces.
V706	25 micron high strength Polyimide carrier specially formulated silicone adhesive. Very high operating temperature.	0.10	Amber	Polyimide / silicone	Fluoro siliconised PET liner	5.25	-30°C to +200°C	High performance bonding and splicing to silicone and other difficult to adhere to substrates.
V709	50 micron PET carrier coated with specially formulated silicone adhesive.	0.125	Red	Polyester / silicone	Fluoro siliconised PET liner	6.25	-30°C to +160°C	Splicing siliconised films, foils and papers. Bonding elastomer joints, foams, gaskets, rubber profiles.

Notes

Global Presence

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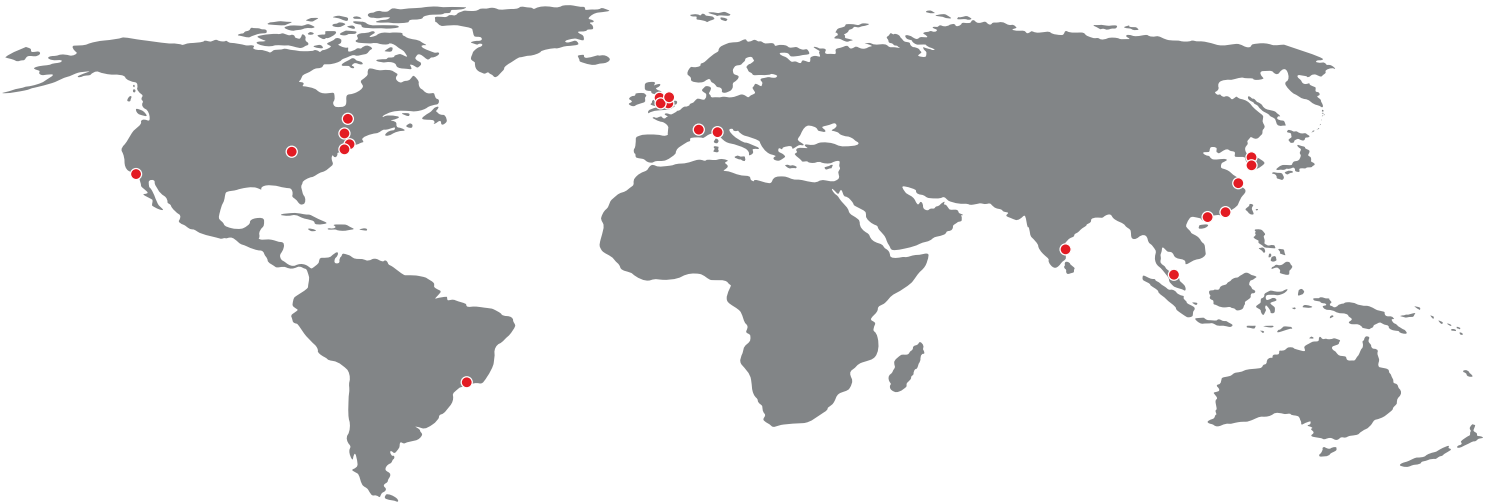
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