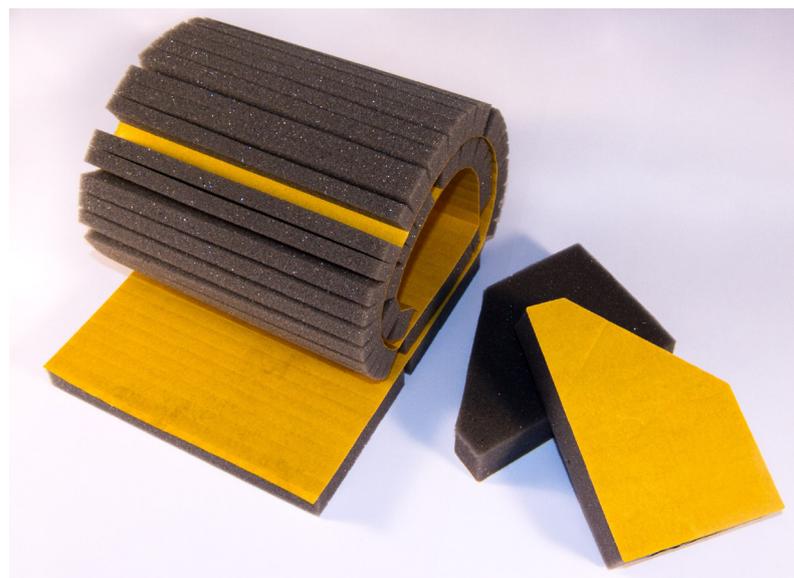
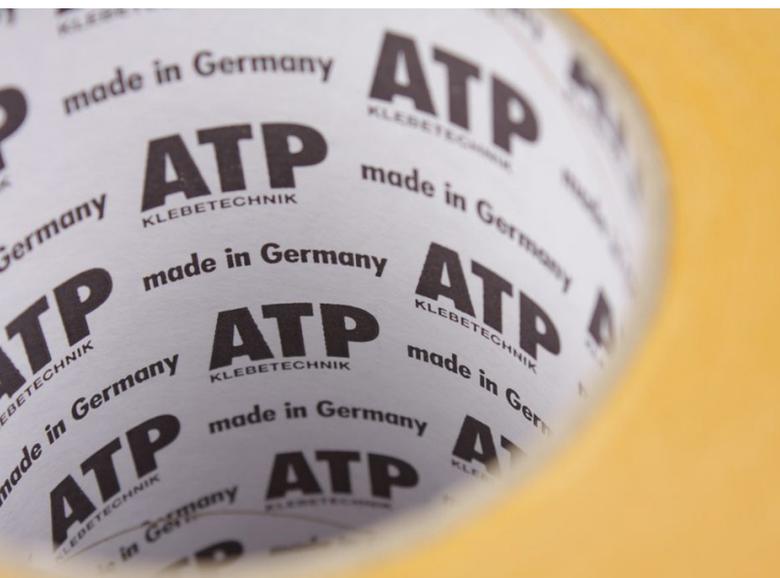
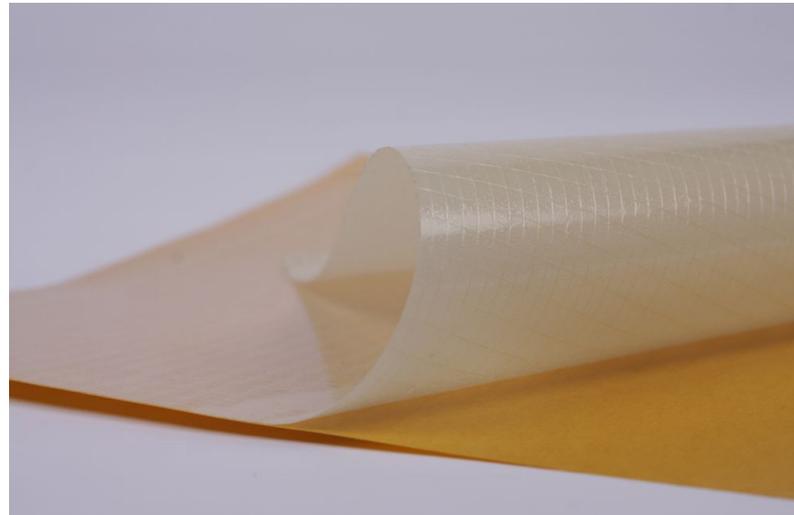


ATP Adhesive Systems

Technical Tapes for Technical Foams



For many years ATP has focussed on the development and manufacture of specialist single and double sided adhesive tapes for the foam industry. These tapes and films are designed to achieve maximum performance for converters producing self-adhesive foam parts via a variety of processing techniques including lamination, die-cutting, kiss-cutting and press cutting for industry sectors such as:

- » **Automotive**
- » **Transportation**
- » **Building and Construction**
- » **Heavy Machinery**
- » **Generator Sets and Compressors**
- » **Electrical Appliances**
- » **HVAC Units**

We Create Strong Connections

Technical Tapes for Technical Foams

Headquartered in Switzerland, with state of the art manufacturing in Germany and a dedicated world-wide sales team, ATP is a leading producer of tape solutions for the technical foam industry. ATP produces a bespoke range of adhesive tapes in order to enable customer to cost effectively achieve optimum adhesion to a wide variety of foam types including:

- Polyurethane [PU]; polyether, polyester, impregnated, rebound foams
- Polyethylene [PE] foams
- PE/EVA Foams
- Melamine Foam
- Polyvinyl Chloride [PVC] foam
- Sponge rubbers [EPDM, NBR, Neoprene, PVC/Nitrile]
- Polystyrene foam

Your choice of carrier

ATP offers a wide choice of tape carriers in order to provide the most comprehensive customer choice:

- Tissue
- Scrim
- Transfer
- Filmic
- Specialties by request

Your choice of liner

ATP offers a comprehensive choice of liners as follows:

Liner Type	Tear Resistance	Humidity Resistance	Kiss Cutting	Die Cutting	Water Jet Cutting
Paper			✓	✓	✓
Pre Coated Paper		✓	✓	✓	✓
PO	✓	✓			✓
PET	✓	✓	✓	✓	✓

Adhesives

The adhesives produced by ATP are designed to bond to a range of substrates with different structures from open cell foams through to low surface energy skinned PE foams, they are solvent free which facilitates the highest performance in relation to emissions – very low VOC and fogging results are possible. Adhesive selection is from:

Pure Acrylic

- Excellent ageing resistance
- Excellent plasticiser resistance
- High cohesive strength
- Temperature resistance, up to 200 °C
- Low emission determined by VOC and Fogging methods
- Good repositionability
- Good humidity resistance

Modified Acrylic

- Excellent adhesion to low surface energy substrates > 30dynes/cm²
- Temperature resistance up to 150 °C
- Excellent wetting out of adhesive, advantage on structured foams
- High initial tack
- Good peel adhesion
- Good low temperature performance down to -40 °C

ATP's adhesives facilitate the production of high quality tapes and films which are specifically designed to achieve maximum performance for converters producing self-adhesive foam parts via a variety of processing techniques including lamination, die-cutting, kiss-cutting and press cutting for industry sectors such as:

- Automotive
- Transportation
- Building and Construction
- Heavy Machinery
- Generator Sets and Compressors
- HVAC Units
- Electrical Appliances

We Create Strong Connections



Adhesion



Low Fogging



Temperature Resistance



Cohesion



Humidity Resistance



Chemical Resistance

ATP Adhesive Systems



Carrier	Product	Adhesive Type	Thickness	Liner Type	Peel from steel (N/25mm) Aera 5001	Dynamic Shear (N/mm²), based on FTM 18	Tack to PE (N/25mm) FTM 9	Heat Resistance (°C) ATP AA-B-12-07	VOC Fogging	Polyurethane	Polyethylene	PE/ Ethylene Vinyl Acetate	Melamine	Polyvinylchloride	PVC Nitrile	EPDM	Neoprene	Widths (mm)	Other Dimensions
PET	S-4106 LB	Modified Acrylic	0.06mm	Glassine paper, yellow 90g/m. double sided siliconised	14	0.23	6	90		●	▲				●			1000	Available widths; 4mm - 2200mm, depending on product and roll length. Available Lengths: Max 5,000lm depending on product thickness (max. roll diameter 1200mm). Die-cut parts available upon request! Stripe Coatings available upon request!
	S-4111 F/LB weiss	Pure / Modified	0.11mm	Glassine paper, white 90g/m², double sided siliconised	5/21	0.20	4/8	90		■	■				●			1000	
Tissue	S-4210 PF	Pure Acrylic	0.10mm	Glassine paper, yellow 90g/m², double sided siliconised	23	0.25	9	160	■	■				●	●	●	●	1000	
	S-4210 AG		0.10mm		26	0.22	10	180	▲	▲				■	●	●	■	1000	
	S-4215 AG		0.15mm		28	0.22	13	180	▲	■				■	●	●	■	1000	
	S-4215 AG 120w		0.15mm	28	0.22	13	180	▲	■				■	●	●	■	1000		
	S-4210 MF	Modified Acrylic	0.10mm	Glassine paper, yellow 90g/m², double sided siliconised	25	0.21	10	90		▲	●		■		■	●	●	1000; 1250; 1500	
	S-4212 MF 45/65		0.12mm		26/24	0.20	8/12	90		■	●				●	●	●	1000	
	S-4215 MF		0.15mm		30	0.19	15	90		■	●				■	●	●	1000	
	S-4213 AR		0.13mm		27	0.24	14	160		■	●				■	■	■	1000	
	S-4216 AR		0.16mm		29	0.21	17	140		■	●				■	■	■	1000	
	S-4210 VS		0.10mm	15	0.26	7	200		■	●			■	■	●	■	●	1000; 1250; 1500	
S-4210 VS 120	0.10mm	15	0.26	7	200		■	●				■	●	■	●	1000			
Scrim	S-4610 AG	Pure Acrylic	0.10mm	Glassine paper, yellow 90g/m², double sided siliconised	25	0.20	10	180	▲	■	●				■	■	■	1000; 1500	
	S-4606 MF	Modified Acrylic	0.06mm	Glassine paper, yellow 90g/m², double sided siliconised	20	0.18	10	90		■	●				■	●	●	1000	
	S-4608 MF		0.08mm		21	0.17	10	90		■	■		■	■	■	1000; 1250; 1500			
	S-4608 MF P060		0.08mm	21	0.17	10	90		■	■				▲	■	■	1000		
	S-4610 MF		0.10mm	22	0.17	11	90		▲	■	▲	▲		▲	▲	▲	1000; 1250; 1500		
	S-4615 MF		0.15mm	27	0.17	15	90		■	■	●			▲	■	■	1000		
	S-4618 MF		0.18mm	29	0.17	18	90		■	■	●				■	■	■	1000	
	S-4623 MF		0.23mm	33	0.17	20	90		■	■					●	●	●	1000	
	S-4610 AR		0.10mm	24	0.19	12	140		■	■					■	■	●	1000; 1500	
	S-4612 SH		0.12mm	25	0.13	17	90		▲	■	▲	▲			▲	▲	▲	1000	
	S-4615 AD P080		0.15mm	30	0.15	24	80		■	■						■		1000	
	S-4624 AD P080	0.24mm	37	0.14	26	80		■	■						■		1000		
	S-4624 AT/D	0.24mm	37	0.14	26	80		■	■						■	■	1020		
Transfer	S-4703 AG 80w	Pure Acrylic	0.03mm	Glassine paper, white 80g/m², double sided siliconised	19	0.23	6	170	▲		●			■				1000	
	S-4705 AG		0.05mm	Glassine paper, yellow 90g/m², double sided siliconised	23	0.22	8	180	▲		●			■				1000	
	S-4705 AG P080		0.05mm	PO-film, white 80µ, double-sided siliconised	23	0.22	8	180	▲		●			■				1000	
	S-4707 AG		0.07mm	Glassine paper, yellow 90g/m², double sided siliconised	25	0.22	10	190	▲	▲	●			▲	■	■	■	1000	
	S-4710 AG		0.10mm	27	0.21	12	200	▲	▲	●				▲	▲	▲	■	1000; 1500	
	S-4710 AG P080		0.10mm	27	0.21	12	200	▲	▲	●				▲	▲	▲	■	1000	
	S-4705 MF	Modified Acrylic	0.05mm	Glassine paper, yellow 90g/m², double sided siliconised	24	0.22	10	90			▲								1000
	S-4707 MF		0.07mm		26	0.21	12	90		■	■	●	■		■	■	●		1000; 1250; 1500
	S-4710 MF		0.10mm		27	0.20	15	90		▲	▲	■	▲		■	■	●		1000; 1250; 1500
	S-4707 AR		0.07mm		29	0.23	15	140		▲	▲	●	■		■	■	■		1000; 1250
S-4710 AR	0.10mm	30	0.22	17	140		▲	■	■				▲	▲	▲		1000		

Note - Information is subject to change. Values are guidelines and must not be construed as the product specification which can be found in the current technical data sheet. Some products may be subject to a minimum order quantity.

Legend: 1st choice ▲ 2nd choice ■ 3rd choice ●

Customer Designed Solutions



Storage and Use

Storage

Products should be stored in their original packaging, in dry conditions, at room temperature, not warmer than 30 °C. Care should be taken to avoid storage in high humidity environments or in direct sunlight. High thickness transfer tapes or striped adhesives can show roll deformation after several weeks in storage. Specific storage advice can be obtained by contacting your local sales office.

Use

Substrate Condition

Correct consideration should be taken of the surfaces to be bonded. They must be dry and free of all contamination including dust, oils, fats, oxidation and release agents.

Shape

Bonding to irregular shapes requires careful consideration and the correct choice of adhesive. Tapes which offer the highest flexibility should be chosen such as a transfer or scrim tapes. Regardless of the adhesive power, pressure sensitive adhesives will not overcome continuous stress from rigid materials trying to return to their original form.

Substrate Preparation

The choice of surface cleaner depends upon the surface to be bonded. As a general rule non-greasy cleaners are recommended for example isopropanol and acetone. Care should be taken to ensure the surface is completely dry after cleaning; cleaning cloths which are free of grease, loose fibres or particles should be used.

Bonding Conditions

The bond strength is dependent upon intimate contact between the adhesive and substrate. Bonding using pressure rolls with the ability to achieve 100g/cm² or enough pressure not to damage the substrate is advised. Bonding should occur in an environment at a temperature of +15 °C to 30 °C. The tape and substrate where possible should be allowed time to adjust to that temperature prior to use. Lamination with additional heat improves the surface contact and wetting out. Depending upon the adhesive type final bond strength will be achieved from 1 hour up to 72 hours after bonding.

We Create Strong Connections



Adhesion



Low Fogging



Temperature Resistance



Cohesion



Humidity Resistance



Chemical Resistance

ATP is a leading manufacturer of high quality technical tape solutions for the automotive, foam, graphic, label, semi-structural composite, building and construction industries. With our extensive technical and marketing knowledge, our passion for developing customer-focused solutions and our committed employees that go that little bit further, success with ATP is a given.

ATP has been producing high quality single and double sided adhesive tapes on very modern coating machines in Germany since 1991. Using a broad range of adhesive and support materials, ATP produces single and double sided pressure sensitive adhesive tapes, transfer tapes and heat-seal films. The adhesive formulations are solvent free and are exclusively developed by ATP. ATP's production methods meet the most modern technological requirements. The products are developed and manufactured under the DQS total quality management system and ATP is accredited according to ISO 9001, ISO 14001, ISO 50001 and ISO/TS 16949 systems.

ATP always strives to exceed customer expectations by developing customer aligned solutions which offer technical advantages, competitively and quickly. Please contact your local sales representative for further information.



DQS-certified management system; certificate registration-nr. 064179.

ATP adhesive systems AG; ATP adhesive systems GmbH;

ATP ALLTAPE Klebtechnik GmbH certified according to ISO/TS 16949 and ISO 9001.

ATP ALLTAPE Klebtechnik GmbH certified according to ISO 14001 and ISO 50001.



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