

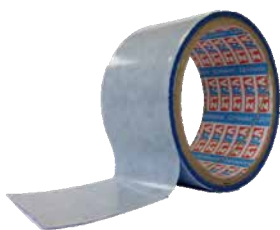


# Double-Sided Adhesive Tapes



Developed for Distributors,  
Converters, Trade and Industry

For the durable and precise bonding of various materials such as  
plastics, cloth, glass, ceramic, mirrors, metal, paper, and more.



### VOLZ® TAPES – Your Specialist in Self Adhesive Technology

VOLZ® TAPES is one of the leading manufacturers and converters in the field of adhesive technology. Therefore, we are your ideal partner for all your industrial product requirements.

In our state-of-the-art production facility, and in close cooperation with you, we develop custom solutions and products to meet your specific application demands. From your first inquiry, to the delivery of the final product from our facility, we develop adhesive tape solutions of the highest quality.

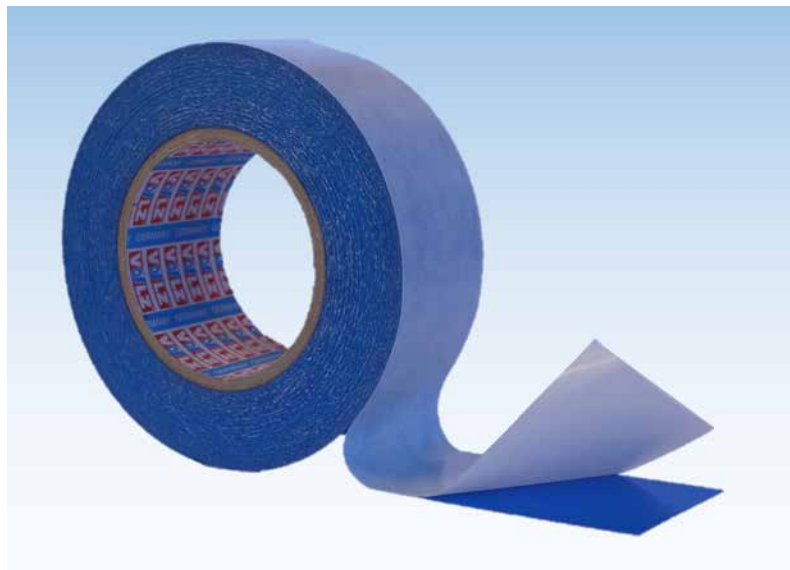
VOLZ® TAPES is not only DIN EN ISO 9001:2015 and DIN EN ISO 14001:2015 certified for Quality Management and Environmental Management, but we are also a UL certified re-packer, thus fulfilling the GS1 standards by participating in the global GS1-System. We pride ourselves on our modern-equipped laboratory in which we conduct all required tests such as the adhesive peel of 90° & 180°, tensile strength, ultimate elongation, shear strength, rolling ball tack, loop tack and thickness test.

We are an active member of Afera ([www.afera.com](http://www.afera.com)) and conduct our tests according to this norm. Upon request, we also conduct tests using other customer required criteria.

Since 2014 we have been developing and producing double sided adhesive tapes. Whether you need large or small jumbos, log or other cut rolls, spools, plan rolls in neutral or in your own packaging, VOLZ® TAPES has the right solution to meet your most challenging needs!

Tremendous flexibility. Quick response and production times. VOLZ® TAPES is your versatile self-adhesive solutions expert.

### What is a double-sided adhesive tape?



Double sided adhesive tapes are very practicable for constructive, demanding and enduring connections in the automotive industry, industrial manufacturing, carpet sealing, mercantile marine, for private use, and much more. Double sided adhesive tapes have simply revolutionized bonding technology.

With assistance of these adhesive tapes a vast variety of materials such as glass, metal, ceramics, weaved material, synthetics, paper, and more may be taped together. We offer a diverse array of products to meet your specific requirements.

VOLZ® TAPES offers you double sided adhesive tapes with various carriers or transfer (without carrier) adhesive tape. In our modern production facility, we cut any width and stamp custom parts according to the exact request of the customer.

Our goal is to offer you the most effective, cost oriented and process secure solution possible.

Product	Sample	Carrier	Adhesive	Thickness total (µm) (without liner)	Liner	Elongation (%)	Tensile stren. (N/25mm)	Shear strength (h)	Rolling Ball Tack (cm)	Peel strength (N/25mm)	Temperature-resistance
<b>Cloth</b>											
V4023		cotton cloth	synthetic rubber (white) plasticizer free	340	65 gr. brown siliconised paper	<3,7	74,5	O: 1 C: 3	O: 2 C: <1	O: 12,5 C: 17,5	-20°C to +65°C
V4030		cotton cloth	synthetic rubber (white) plasticizer free	230	65 gr. brown siliconised paper	< 6	> 62	> 14	< 3	> 32	-20°C to +65°C
V4030 PV1		cotton cloth	synthetic rubber (white) plasticizer free	230	65 gr. yellow siliconised paper	< 6	> 62	> 14	< 3	> 32	-20°C to +65°C
V4032		PET cloth	synthetic rubber (white) plasticizer free	185	65 gr. brown siliconised paper	20	72,5	> 6	< 2	> 28	-20°C to +65°C
V4032 PV1		PET cloth	synthetic rubber (white) plasticizer free	185	65 gr. yellow siliconised paper	20	72,5	> 6	< 2	> 28	-20°C to +65°C
V4033		PET cloth	synthetic rubber (white) plasticizer free	165	65 gr. brown siliconised paper	18	85	> 5	< 4	> 20	-10°C to +60°C
V4033 PV1		PET cloth	synthetic rubber (white) plasticizer free	165	65 gr. yellow siliconised paper	18	85	> 5	< 4	> 20	-10°C to +60°C
V4039 PV1		cotton cloth	synthetic rubber (clear)	210	80 gr. yellow siliconised paper	20	89	> 8	< 2	> 40	-20°C to +65°C
V4040		cotton cloth	synthetic rubber (clear) plasticizer free	280	65 gr. brown siliconised paper	< 6	> 62	> 14	< 3	> 32	-20°C to +65°C
V4040 PV1		cotton cloth	synthetic rubber (clear) plasticizer free	280	65 gr. yellow siliconised paper	< 6	> 62	> 14	< 3	> 32	-20°C to +65°C
9064		cotton cloth	solvent rubber (white)	340	90 gr. brown siliconised paper	-	140	> 24	-	9	-20°C to +80°C
9064F		cotton cloth	solvent rubber (white) removable	300	white PE film	-	185	-	-	14	-20°C to +80°C
<b>Film</b>											
V4100		white cast PP film	synthetic rubber (clear) plasticizer free	185	65 gr. brown siliconised paper	495	> 62	> 31	< 5	> 29	-10°C to +50°C

Product	Sample	Carrier	Adhesive	Thickness total (µm) (without liner)	Liner	Elongation (%)	Tensile stren. (N/25mm)	Shear strength (h)	Rolling Ball Tack (cm)	Peel strength (N/25mm)	Temperature- resistance
<b>Film</b>											
V4101		clear cast PP film	synthetic rubber (clear) plasticizer free	165	65 gr. brown siliconised paper	495	> 62	> 20	< 7	> 25	-10°C to +50°C
V4123 PV2		blue PE film	synthetic rubber plasticizer free (different adhesion on each side)	130	65 gr. white siliconised paper	> 600	90	O: 4 C: 6	O: 8 C: 6	O: 10 C: 18	-10°C to +60°C
V4125		clear BOPP film	synthetic rubber (white) plasticizer free	85	65 gr. brown siliconised paper	> 145	104	> 51	< 2	18	-10°C to +60°C
V4125 PV1		clear BOPP film	synthetic rubber (white) plasticizer free	85	65 gr. yellow siliconised paper	> 145	104	> 51	< 2	18	-10°C to +60°C
V4125 PV2		clear BOPP film	synthetic rubber (white) plasticizer free	85	65 gr. white siliconised paper	> 145	104	> 51	< 2	18	-10°C to +60°C
V4140		clear BOPP film	synthetic rubber (clear) plasticizer free	95	65 gr. brown siliconised paper	> 150	105	> 27	< 4	20	-10°C to +60°C
V4140 PV1		clear BOPP film	synthetic rubber (clear) plasticizer free	95	65 gr. yellow siliconised paper	> 150	105	> 27	< 4	20	-10°C to +60°C
V4141 PV1		clear BOPP film	synthetic rubber (clear) plasticizer free	95	65 gr. brown siliconised paper	150	105	20	4	24	-10°C to +50°C
V4142		clear BOPP film	synthetic rubber (white) plasticizer free	95	65 gr. brown siliconised paper	> 150	105	> 51	< 4	> 20	-10°C to +60°C
V4142 PV1		clear BOPP film	synthetic rubber (white) plasticizer free	95	65 gr. yellow siliconised paper	> 150	105	> 51	< 4	> 20	-10°C to +60°C
V4143		clear BOPP film	synthetic rubber (clear) plasticizer free	85	65 gr. brown siliconised paper	> 145	104	> 51	< 2	18	-10°C to +60°C
V4143 PV1		clear BOPP film	synthetic rubber (clear) plasticizer free	85	65 gr. yellow siliconised paper	> 145	104	> 51	< 2	18	-10°C to +60°C
V4144 PV1		clear BOPP film	synthetic rubber (clear) plasticizer free	130	80 gr. yellow siliconised paper	150	105	17,6	4,5	25	-10°C to +50°C
9072		PET	modified solvent acrylic (clear)	55	90 gr. white siliconised paper	60	49	-	-	12,7	-40°C to +80°C

Product	Sample	Carrier	Adhesive	Thickness total (µm) (without liner)	Liner	Elongation (%)	Tensile stren. (N/25mm)	Shear strength (h)	Rolling Ball Tack (cm)	Peel strength (N/25mm)	Temperature-resistance
<b>Film</b>											
9072L		PET	modified solvent acrylic (clear)	48	90 gr. white siliconised paper	-	-	≥ 168	≥ 10	≥ 12,5	-40°C to +100°C
9082		PET	modified solvent acrylic (clear)	100	90 gr. white siliconised paper	-	-	-	≥ 3	≥ 15	-40°C to +100°C
9028		PET	modified solvent acrylic (clear)	125	90 gr. white PE siliconised paper	-	-	≥ 168	≥ 3	≥ 17,5	-40°C to +100°C
9067		PET	modified solvent acrylic (clear)	160	90 gr. white siliconised paper	-	-	≥ 168	-	≥ 17,5	-40°C to +100°C
9017F		PET	modified solvent acrylic (different adhesion on each side)	160	brown siliconised paper	-	-	-	-	O:4 C:23	-30°C to +110°C
V5133		PET	modified solvent acrylic (clear)	170	red MOPP film	60	55,5	>500	< 5	29	-30°C to +200°C
9065		PET	modified solvent acrylic (clear)	205	red MOPP film	-	-	≥ 168	≥ 1	≥ 20	-40°C to +100°C
9065 PV1		PET	modified solvent acrylic (clear)	205	115 gr. white PE siliconised paper	-	-	≥ 168	≥ 1	≥ 20	-40°C to +100°C
9065V		PET	modified solvent acrylic (clear)	210	red MOPP film	50	39	-	-	O: 24,5 C: 23,5	-40°C to +80°C
9070		PVC	modified solvent acrylic (clear)	230	90 gr. brown siliconised paper	-	35	168	-	16	-40°C to +80°C
<b>Non-woven</b>											
V4151		Non woven	synthetic rubber (clear) plasticizer free	110	60 gr. brown siliconised paper	2	15	> 50	< 3	26	-10°C to +50°C
V4171		Non woven	synthetic rubber (clear) plasticizer free	150	65 gr. brown siliconised paper	2	15	> 60	< 3	27,5	-10°C to +50°C
V4451 PV2		Non woven	synthetic rubber (clear) plasticizer free	90	white siliconised paper	2	15	> 30	< 7	22,5	-10°C to +50°C

Product	Sample	Carrier	Adhesive	Thickness total (µm) (without liner)	Liner	Elongation (%)	Tensile stren. (N/25mm)	Shear strength (h)	Rolling Ball Tack (cm)	Peel strength (N/25mm)	Temperature-resistance
<b>Non-woven</b>											
9086		Non woven	modified solvent acrylic (clear)	100	105 gr. white PE siliconised paper	-	-	≥ 1	≥ 2	≥ 13	-40°C to +100°C
9062		Non woven	modified solvent acrylic (clear)	170	115 gr. white PE siliconised paper	-	-	≥ 24	≥ 3	≥ 15	-40°C to +180°C
<b>Transfer</b>											
V5263		-	modified solvent acrylic with glass fibre (clear)	48	90 gr. brown siliconised paper	-	-	>150	< 4	> 9	-30°C to +110°C
V5265		-	modified solvent acrylic with glass fibre (clear)	125	90 gr. brown siliconised paper	-	-	> 11	< 2	> 30	-30°C to +110°C
V5268		-	modified solvent acrylic (clear)	130	115 gr. white PE silicone paper	-	-	≥ 20	> 9	> 15	-40°C to +100°C
<b>Foam</b>											
V4300 PV1		white PE foam 75 kg/m <sup>3</sup>	synthetic rubber (clear)	1050	80 gr. yellow siliconised paper	> 190	> 31	> 2	< 1,5	> 14	-10°C to +60°C
V5311		white PE foam 95 kg/m <sup>3</sup>	solvent acrylic (clear)	800	blue siliconised PP film	> 150	> 36	> 27	< 5	> 23	-30°C to +100°C
V5312		white PE foam 95 kg/m <sup>3</sup>	solvent acrylic (clear)	800	80 gr. white siliconised paper	> 150	> 35	> 30	< 5	> 19,5	-30°C to +100°C
V5317		white PE foam 75 kg/m <sup>3</sup>	solvent acrylic (clear)	1550	80 gr. white siliconised paper	> 150	> 69	> 26	< 10	> 15	-30°C to +100°C
V5320		black PE foam 95 kg/m <sup>3</sup>	solvent acrylic (clear)	800	blue siliconised PP film	> 150	> 30	> 26	< 5	> 19	-30°C to +100°C
V5321		white PE foam 70 kg/m <sup>3</sup>	solvent acrylic (clear)	1000	80 gr. white siliconised paper	> 150	> 31	> 25	< 5	> 21	-40°C to +120°C
V5324		white PE foam 67 kg/m <sup>3</sup>	solvent acrylic (clear)	1000	red siliconised PP film	> 219	> 23	> 2	< 2	> 14	-20°C to +90°C

Product	Sample	Carrier	Adhesive	Thickness total (µm) (without liner)	Liner	Elongation (%)	Tensile stren. (N/25mm)	Shear strength (h)	Rolling Ball Tack (cm)	Peel strength (N/25mm)	Temperature-resistance
<b>Foam</b>											
V5331		black PE foam 85 kg/m <sup>3</sup>	solvent acrylic (clear)	900	green siliconised LDPE film	-	-	> 168	< 10	22,5	-30°C to +100°C
V5337		black PE foam 200 kg/m <sup>3</sup>	solvent acrylic (clear)	825	110 gr. yellow siliconised LDPE film	> 300	> 50	> 26	< 15	> 10	-40°C to +120°C
V5340		white PE foam 75 kg/m <sup>3</sup>	solvent rubber (clear)	1000	80 gr. white siliconised paper	> 150	> 30	> 26	< 5	> 15	-30°C to +80°C
9050P		black PE foam	rubber (clear)	800	80 gr. silicone paper	350	> 14	-	-	> 15	-40°C to +60°C
9052		white PE foam	rubber (clear)	1000	90 gr. white silicone paper	200	6	5000	-	20	-40°C to +60°C
9076C		black PE foam 180 kg/m <sup>3</sup>	solvent acrylic (clear)	400	green siliconised PP film	550	40	> 160	-	20	-40°C to +100°C
9076P		black PUR foam 325 kg/m <sup>3</sup>	solvent acrylic (clear)	400	90 gr. white silicone paper	-	-	> 500	-	19	-40°C to +120°C

### NOTES

Product	DIY	Carpet Exhibition services	Automotive Electronics	Furniture	Trim & Profile	Paper & Cardboards	Name plate industry, shielding industry	Advertising, General purpose	Lamination	Art & Graphics	Leather & Textile industry	Product
V4023		●										V4023
V4030	●	●									●	V4030
V4030 PV1	●	●									●	V4030 PV1
V4032	●	●										V4032
V4032 PV1	●	●										V4032 PV1
V4033	●	●										V4033
V4033 PV1	●	●										V4033 PV1
V4039 PV1	●	●							●		●	V4039 PV1
V4040	●	●							●		●	V4040
V4040 PV1	●	●							●		●	V4040 PV1
9064		●					●	●		●	●	9064
9064F		●					●	●		●	●	9064F
V4100	●	●			●	●						V4100
V4101		●			●	●	●	●	●		●	V4101
V4123 PV2		●										V4123 PV2
V4125	●	●						●				V4125
V4125 PV1	●	●						●				V4125 PV1
V4125 PV2	●	●						●				V4125 PV2
V4140					●	●	●	●				V4140
V4140 PV1					●	●	●	●				V4140 PV1
V4141 PV1	●	●				●				●		V4141 PV1
V4142	●	●								●		V4142
V4142 PV1	●	●								●		V4142 PV1
V4143						●	●	●				V4143
V4143 PV1						●	●	●				V4143 PV1
V4144 PV1	●	●				●	●	●	●		●	V4144 PV1
9072			●		●			●				9072
9072L			●		●			●				9072L
9082			●	●	●	●	●	●	●		●	9082
9028			●	●	●	●	●	●	●		●	9028
9067			●	●	●	●	●	●	●		●	9067
9017F		●	●	●	●			●	●			9017F
V5133			●	●	●	●	●	●	●	●	●	V5133
9065			●	●	●	●	●	●	●	●	●	9065
9065 PV1			●	●	●	●	●	●	●	●	●	9065 PV1
9065V			●	●	●	●	●	●	●	●	●	9065V
9070			●	●	●	●	●	●	●	●	●	9070
V4151	●					●		●	●	●	●	V4151
V4171	●					●		●	●	●	●	V4171
V4451 PV2						●		●				V4451 PV2
9086	●		●	●	●	●	●	●	●	●	●	9086



Product	DIY	Carpet Exhibition services	Automotive Electronics	Furniture	Trim & Profile	Paper & Cardboards	Name plate industry, shielding industry	Advertising, General purpose	Lamination	Art & Graphics	Leather & Textile industry	Product
9062			●	●	●	●	●	●	●	●	●	9062
V5263						●				●		V5263
V5265						●				●		V5265
V5268			●			●			●	●		V5268
V4300 PV1				●	●	●						V4300 PV1
V5311			●	●	●	●	●					V5311
V5312			●	●	●	●						V5312
V5317				●	●	●						V5317
V5320			●	●	●	●						V5320
V5321			●	●	●	●	●					V5321
V5324			●	●	●	●						V5324
V5331			●		●		●					V5331
V5337			●		●							V5337
V5340				●	●	●	●	●				V5340
9050P			●	●	●	●	●	●				9050P
9052			●	●	●	●	●	●				9052
9076C			●	●	●	●	●	●				9076C
9076P			●	●	●	●	●	●				9076P

### Quality and Environmental Management

ZERTIFIKAT • CERTIFICATE • CERTIFICADO • CERTIFICAT • 認證證書

## CERTIFICATE

The Certification Body of TUV SUD Management Service GmbH certifies that

**Volz Selbstklebetechnik GmbH**  
Fischerinsel 3  
79227 Schallstadt  
Germany

has established and applies a Quality Management System for

Development, manufacturing, converting, sales and distribution of self-adhesive tapes, self-adhesive and non-adhesive die-cut parts, printed and blank labels, foam materials, electrical insulation materials, processing devices, adhesives and system solutions.

An audit was performed, Order No. 707108670.  
Proof has been furnished that the requirements according to

**ISO 9001:2015**

are fulfilled.  
The certificate is valid from 2019-10-30 until 2022-10-29.  
Certificate Registration No.: 12 100 58864 TMS.

Product Compliance Management  
Munich, 2019-10-30

TUV SUD Management Service GmbH • Zertifizierungsstelle • Riederstrasse 57 • 80339 München • Germany  
www.tuv-sud.de/certificate-validity-check

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## CERTIFICATE

The Certification Body of TUV SUD Management Service GmbH certifies that

**Volz Selbstklebetechnik GmbH**  
Fischerinsel 3  
79227 Schallstadt  
Germany

has established and applies an Environmental Management System for

Development, manufacturing, converting, sales and distribution of self-adhesive tapes, self-adhesive and non-adhesive die-cut parts, printed and blank labels, foam materials, electrical insulation materials, processing devices, adhesives and system solutions.

An audit was performed, Order No. 707108670.  
Proof has been furnished that the requirements according to

**ISO 14001:2015**

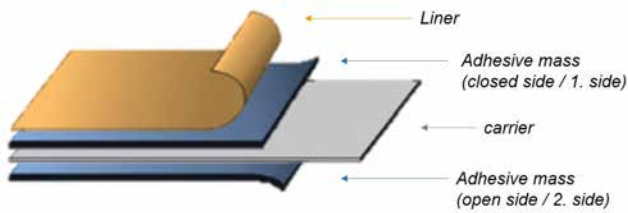
are fulfilled.  
The certificate is valid from 2019-10-30 until 2022-10-29.  
Certificate Registration No.: 12 104 58864 TMS.

Product Compliance Management  
Munich, 2019-10-30

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### Structure of Double Sided Adhesive Tape

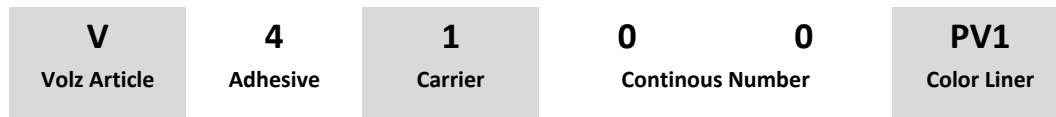


Our double sided adhesive tapes consist of the following materials:

- ① Release Material
- ② Adhesive Mass
- ③ Primer
- ④ Carrier

The double sided adhesive tapes are classified in our catalog.

### Structure of the V-Article Product Number



Number	Description
V4...	Hotmelt adhesive mass on synthetic rubber base
V40..	Hotmelt adhesive mass on synthetic rubber base with cloth carrier
V41.., V412.and V414.	Hotmelt adhesive mass on synthetic rubber base with film carrier
V4151, V4171 and V4451	Hotmelt adhesive mass on synthetic rubber base with non-woven carrier
V43..	Hotmelt adhesive mass on synthetic rubber base with PE foam carrier
V5...	Solvent adhesive on natural rubber or acrylic base
V51..	Solvent adhesive on natural rubber or acrylic base with film carrier
V52..	Solvent adhesive without carrier, also called transfer tapes. Sometimes also with glass fibre in the adhesive mass to stabilize the adhesive mass.
V53..	Solvent adhesive on natural rubber or acrylic base with PE foam carrier

#### Meaning of the Product Variants (PV):

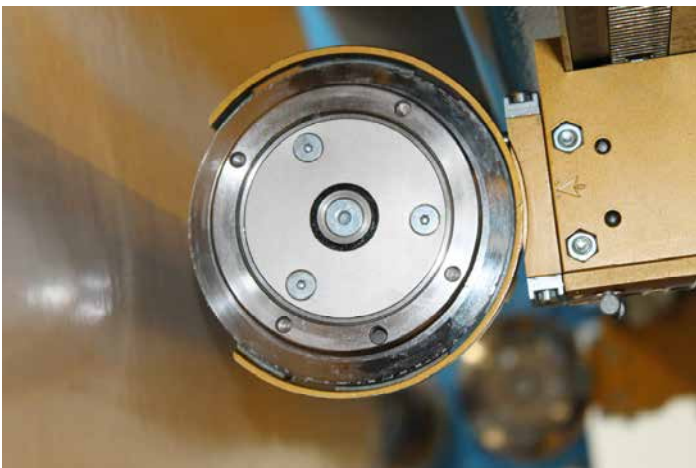
- PV1** = yellow silicone paper liner\*
- PV2** = white silicone paper liner\*
- Article without PV** = brown silicone paper liner\*

\*obvious exceptions possible

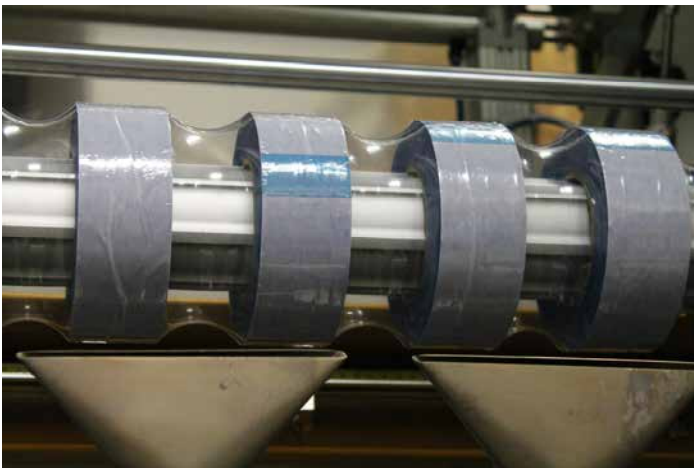
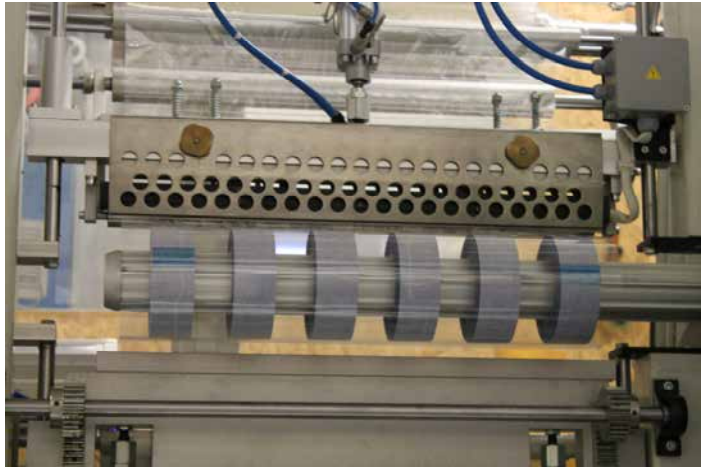
### Jumbo Roll Storage



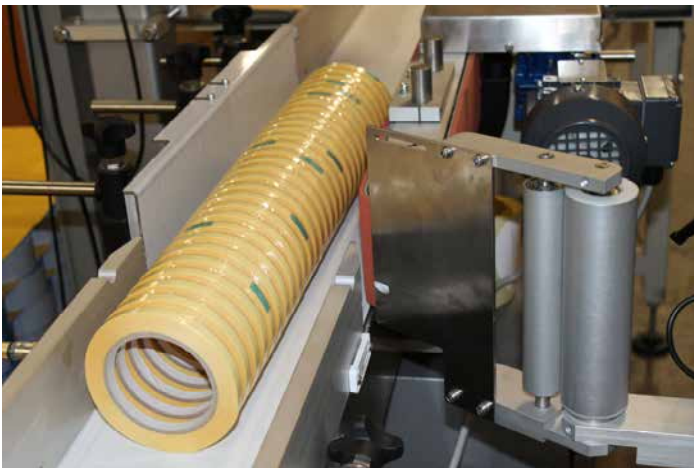
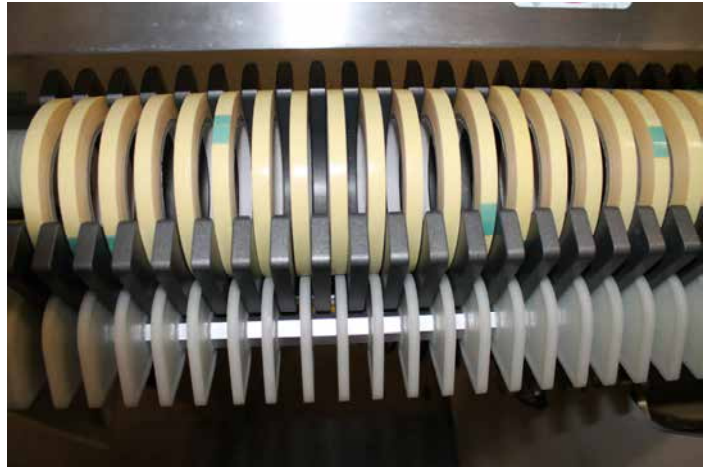
Jumbos from 1m Diameter Possible / Logrolls as Requested



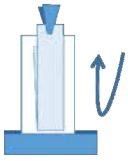
Packing / Single Roll / Accordion / Tower Shrink / Top Label / Side Label



Packing / Single Roll / Accordion / Tower Shrink / Top Label / Side Label



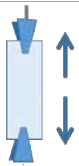
### VOLZ® TAPES Laboratory Facilities



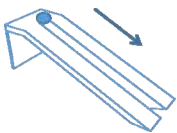
**Peel test 180°**  
according to AFERA 5001



**Peel test 90°**  
according to AFERA 5001



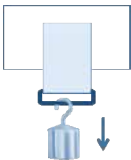
**Elongation & Tensile strength**  
according to AFERA 5004



**Rolling Ball Tack Test**  
according to PSTC-6



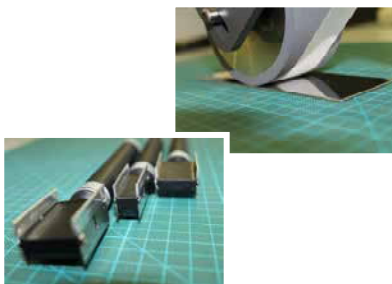
**Loop Tack Test**  
according to Finat Nr.9



**Shear strength test**  
according to AFERA 5012



**Thickness Measurement**  
according to AFERA 5006



We are proud of our modern-equipped laboratory which grants us, as well as our partners, the ability to precisely evaluate specification values in-house. Upon request, we will also gladly conduct tests in accordance with any other additional criterion required.



### Coating

