



VOLZZ[®]
TAPES

ipg[™] intertape polymer group[™]



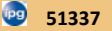


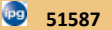

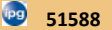

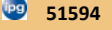

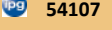

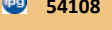









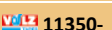

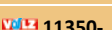














































Adhesive Tapes for Electrical Insulation




















































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



















































Transformers, Spools, Electric Motors, Printed Circuit Boards etc.










Product	Backing	Adhesive Type	Backing Thickness (mm)	Total Thickness (mm)	Colour(s)	Adhesion to steel (N/25mm)	Tensile Strength (N/25mm)	Elongation at break (%)	Breakdown Voltage (V _{eff} VDE 0303)	Insulation Resistance (megaΩ)	Electrolytic Corrosion	Flammability	RoHS	UL-Specification	UL-File-No.
Insulation Class A 105°C															
Paper															
 54353	Paper	R	0,09	0,130	Beige	7,50	75,00	9	800	-	-	-	●	-	-
 3053	Paper	R	-	0,170	Beige	27,50	287,50	10,5	-	-	-	-	●	-	-
 51337	Paper	AT	0,159	0,230	Beige	14,80	236,00	4	1870	1,0	-	-	●	-	-
Silk Acetate Cloth Tapes															
 5060 PV1	Silk acetate cloth	RT	0,180	0,260	White Black	10,00	150,00	20	2500	-	-	-	●		E338128
Insulation Class B 130°C															
Polyester Film															
 51587	Polyester Film	RT	0,025	0,056	Black Yellow	13,75	110,00	100	5000	10 ⁶	A1,0	BU1	●		E20780
 51588	Polyester Film	RT	0,025	0,056	Clear	13,75	110,00	100	5000	10 ⁶	A1,0	BU1	●		E20780
 51594	Polyester Film	RT	0,025	0,051	Yellow	12,30	110,00	100	5000	10 ⁵	A1,0	BU1	●		E20780
 54107	Polyester Film	RT	0,025	0,060	Yellow	11,00	110,00	100	5000	10 ⁶	A1,0	BU1	●		E20780
 54108	Polyester Film	RT	0,025	0,060	Beige	13,75	110,00	100	5000	10 ⁶	A1,0	BU1	●		E20780
 50501 (1)	Polyester Film	AT	0,025	0,055	7 Colours*	11,00	100,00	80	5000	10 ⁶	A1,0	BU1	●		E338128
 51589	Polyester Film	A	0,025	0,056	Yellow Clear	9,60	110,00	100	5000	10 ⁶	A1,0	BU1	●		E20780
 54113	Polyester Film	AT	0,025	0,060	Yellow Clear	12,30	110,00	100	5000	10 ⁶	A1,0	BU1	●		E20780
 54143	Polyester Film	AT	0,035	0,076	Yellow Clear	13,70	166,00	100	7500	10 ⁶	A1,0	BU1	●		E20780
 11350-1	Polyester Film	AT	0,025	0,060	7 Colours*	10,00	110,00	100	5000	10 ¹⁵	A1,0	BU1	●		E338128
 11350-2	Polyester Film	AT	0,050	0,090	7 Colours*	9,30	216,00	100	6500	10 ¹⁵	A1,0	BU1	●		E338128
 11350-1-DS	Polyester Film (double sided)	AT	0,025	0,095	Yellow	10,00	110	100	5000	10 ¹⁵	A1,0	BU1	●		E338128
Silk Acetate Cloth Tapes															
 4560	Silk acetate cloth	RT	0,152	0,178	White Black	15,00	175,00	15	2000	10 ⁴	A1,0	BU1	●		E20780
 5060 PV2	Silk acetate cloth	RT	0,190	0,260	White	6,80	150,00	16	2500	-	-	-	●	-	-
 5060 PV3	Silk acetate cloth	AT	0,180	0,240	White	12,00	150,00	16	2500	-	-	-	●	-	-
 5060 PV4	Silk acetate cloth (oil-resistant)	AT	0,180	0,240	White Black	10,00	150,00	16	2500	-	-	-	●	-	-

Product	Backing	Adhesive Type	Backing Thickness (mm)	Total Thickness (mm)	Colour(s)	Adhesion to steel (N/25mm)	Tensile Strength (N/25mm)	Elongation at break (%)	Breakdown Voltage (V _{eff} VDE 0303)	Insulation Resistance (megaΩ)	Electrolytic Corrosion	Flammability	RoHS	UL-Specification	UL-File-No.
Specialty															
 4138	Polypropylen	A	0,025	0,065	Clear	28,00	24,00	100	4000	-	-	-	●	-	-
 4564⁽³⁾	Polyester fleece (zone coated)	A	0,061	0,165	White	8,90	76,00	35	500 / 4600	10 ⁶	A1,2	-	●		E20780
 11600 PV3⁽¹⁾	Polyester cloth	AT	0,100	0,160	White Black	11,80	314,00	12	2000	-	-	-	●	-	-
Polyester Laminates															
 4426	Polyester Film / Paper	RT	0,102	0,152	White	16,47	200,00	2	5500	10 ⁴	A1,0	BU3	●		E20780
 4427	Polyester Film / Paper	RT	0,089	0,140	White	16,50	175,00	2	4500	10 ⁴	A1,0	BU3	●		E20780
 51578	Polyester Film / Paper	RT	0,089	0,140	White	19,00	175,00	2	4500	10 ⁴	A1,0	BU3	●		E20780
 54354	Polyester Film / Paper	RT	0,025 0,160	0,230	Beige	11,25	175,00	20	8000	5*10 ⁶	B3,0	BU2	●		E354783
 51596	PET-Film / PET-Fleece	RT	0,089	0,127	White	16,40	138,00	60	4200	10 ⁵	A1,0	BU2	●		E20780
 51245	PET-Film / PET-Fleece	RT	0,089	0,134	White	23,25	136,00	50	5000	10 ⁵	A1,0	BU2	●		E20780
 51580	PET-Film / PET-Fleece	RT	0,102	0,125	White	15,00	197,00	25	5500	10 ⁵	A1,0	BU2	●		E20780
 11044 -08 PV2	PET-Film / PET-Fleece	AT	0,036 0,170	0,230	White	11,80	137,00	60	6500	-	-	-	●		E338128
 11044 -04 PV2	PET-Film / PET-Fleece	AT	0,036 0,170	0,230	Black	11,80	137,00	60	6500	-	-	-	●		E338128
Polyester reinforced with Glass Filament															
 51599	PET/Filament	RT	0,127	0,178	Beige	15,00	1500,00	5	5000	10 ⁵	A1,0	BU2	●		E20780
Insulation Class F 155°C															
Polyester Laminates															
 51595	PET-Film / PET-Fleece	AT	0,089	0,114	White	13,70	131,00	30	4500	10 ⁵	A1,0	BU2	●		E20780
 11595 -08	PET-Film / PET-Fleece	AT	0,060	0,140	White	14,70	147,00	30	5500	-	-	-	●		E338128
 11595 -04	PET-Film / PET-Fleece	AT	0,060	0,110	Black	14,50	140,00	60	5500	-	-	-	●		E338128
 11044 -08 PV3	PET-Film / PET-Fleece	AT	0,036 0,170	0,230	White	11,80	137,00	60	6500	-	-	-	●		E338128
 11044 -04 PV3	PET-Film / PET-Fleece	AT	0,036 0,170	0,230	Black	11,80	137,00	60	6500	-	-	-	●		E338128
Polyester reinforced with Glass Filament															
 4237	PET/Filament	AT	0,114	0,200	Clear	11,00	1300,00	5,5	5000	10 ⁴	A1,0	BU2	●		E20780

Product	Backing	Adhesive Type	Backing Thickness (mm)	Total Thickness (mm)	Colour(s)	Adhesion to steel (N/25mm)	Tensile Strength (N/25mm)	Elongation at break (%)	Breakdown Voltage (V _{eff} VDE 0303)	Insulation Resistance (megaΩ)	Electrolytic Corrosion	Flammability	RoHS	UL-Specification	UL-File-No.
Polyester reinforced with Glass Filament															
 4238	PET/Filament	AT	0,165	0,190	Clear	12,00	1642,00	5	6000	10 ⁴	A1,0	BU2			E20780
Polyester reinforced with Glass Filament															
 51597	PET/Filament	AT	0,138	0,165	Clear	11,00	1095,00	5	5000	10 ⁴	A1,0	BU2			E20780
 11597	PET/Filament	AT	0,120	0,180	Clear	11,50	1150,00	12	6500	-	-	-			E338128
Paper reinforced with Glass Filament															
 2036	Paper / Filament	AT	0,200	0,260	Beige	11,50	900,00	7	4000	-	-	-			E338128
Glass Cloth															
 4616	Glass Cloth	RT	0,127	0,178	White Black	13,70	767,00	3	3000	10 ³	A1,0	BU2			E20780
 4617	Glass Cloth	AT	0,127	0,178	White	11,00	875,00	3	3000	10 ⁴	A1,0	BU2			E20780
 6017 PV3	Glass Cloth	AT	0,140	0,190	White	11,10	637,00	15	3000	-	-	-			E338128
 6017 PV4	Glass Cloth	AT	0,145	0,180	White Black	13,20	588,00	7	2500	-	-	-			E338128
 6017 PV5	Glass Cloth (printable / oil-resistant)	AT	0,135	0,190	White Black	8,82	588,00	10	3500	-	-	-			E338128
Specialty															
 41356 PV2	Nomex® / PET	AT	0,050 0,025	0,130	White	11,80	118,00	10	>6000	-	-	-			E338128
 41356 PV3	Nomex® / PET	AT	0,050 0,150	0,270	White	10,80	490,00	120	>10000	-	-	-			E338128
 56228 FR	Nomex®	AT	0,050	0,089	White	11,00	110,00	10	2500	10 ⁶	A1,0	BU1			E20780
 61228 PV3	Nomex®	AT	0,050	0,090	White	12,00	80,00	10	2000	-	-	-			E338128
Polyimide Film / Kapton® / Apical®															
 51579	Polyimide Film	AT	0,025	0,056	Amber	8,20	130,00	60	7000	10 ⁶	A1,0	BU1			E20780
 11579	Polyimide Film	AT	0,025	0,072	Amber	8,50	150,00	95	6500	-	-	-			E338128
Insulation Class H 180°C															
Specialty															
 11202 PV3	Teflon®	Si	0,050	0,098	Dark Brown	8,80	118,00	120	10000	-	-	-			E338128
Polyimide Film / Kapton® / Apical®															
 4118 ⁽¹⁾	Kapton®	SiT	0,025	0,069	Amber	6,80	130,00	60	7000	10 ⁶	A1,0	BU1			E20780

Product	Backing	Adhesive Type	Backing Thickness (mm)	Total Thickness (mm)	Colour(s)	Adhesion to steel (N/25mm)	Tensile Strength (N/25mm)	Elongation at break (%)	Breakdown Voltage (V _{eff} VDE 0303)	Insulation Resistance (megaΩ)	Electrolytic Corrosion	Flammability	RoHS	UL-Specification	UL-File-No.
Polyimide Film / Kapton® / Apical®															
 4428⁽¹⁾	Polyimide Film	SiT	0,025	0,064	Amber	6,80	131,00	80	6900	10 ⁶	A1,0	BU1			E20780
 4429⁽¹⁾	Polyimide Film	SiT	0,051	0,089	Amber	8,20	285,00	60	11000	10 ⁶	A1,0	BU1			E20780
 1018	Kapton®	Si	0,025	0,067	Amber	7,00	110,00	35	-	-	-	-			E354783
Insulation Class C 200°C															
Polyimide Film / Kapton® / Apical®															
 1018 PV2⁽¹⁾	Polyimide Film	SiT	0,025	0,055	Amber	5,80	113,00	40	5500	-	-	-			E338128
 1018 PV3⁽¹⁾	Apical® Polyimide Film	SiT	0,025	0,064	Amber	5,90	123,00	80	7000	-	-	-			E338128
 1018 PV4⁽¹⁾	Kapton® CR ⁵	SiT	0,025	0,064	Amber	5,90	137,00	80	7000	-	-	-			E338128
 1018 PV5⁽¹⁾	Polyimide Film	SiT	0,025	0,055	Amber	5,60	108,00	40	5500	-	-	-			E338128
 1018-DS⁽¹⁾	Polyimide Film (double sided)	SiT	0,025	0,080	Amber	012,7 11,5	127,00	70	6500	-	-	-			E338128
 1019⁽¹⁾	Polyimide Film	SiT	0,050	0,090	Amber	7,00	255,00	60	6500	-	-	-			E338128
 1019 PV1⁽¹⁾	Kapton® CR ⁵	SiT	0,050	0,090	Amber	7,00	300,00	60	7000	-	-	-			E338128
Glass Cloth															
 4618⁽¹⁾	Glass Cloth	SiT	0,127	0,178	White	12,30	810,00	3	3000	10 ³	A1,0	BU1			E20780
 6018 PV3⁽¹⁾	Glass Cloth	SiT	0,140	0,190	White	6,40	441,00	15	3000	-	-	-			E338128
 6018 PV4⁽¹⁾	Glass Cloth	SiT	0,120	0,180	White	9,80	558,00	10	3500	-	-	-			E338128
Antistatic Self Adhesive Tapes for the production of Printed Circuit Boards															
 FM-38	Polyimide Film	Si	0,025	0,050	Amber	5,40	>88,00	>50	-	+280°C ⁽⁴⁾		-	-	-	-
 FM-48	Polyimide Film	Si	0,025	0,050	Amber	5,90	>34,30	>50	-	+250°C ⁽⁴⁾		-	-	-	-
 FM-58	Polyesterfolie	A	0,025	0,050	Clear	5,90	>108,00	>70	-	10 ⁹ Ω / +120°C ⁽⁴⁾		-	-	-	-
Self Adhesive Tapes for the production of Printed Circuit Boards and Powder Coating															
 FM-28	Polyimide Film	SiT	0,025	0,064	Amber	6,80	131,00	80	-	+204°C ⁽⁴⁾		-	-	-	-
 FM-29	Polyimide Film	SiT	0,050	0,089	Amber	6,80	285,00	60	-	+204°C ⁽⁴⁾		-	-	-	-
 6120	Polyester Film	Si	0,025	0,076	Blue	8,20	109,00	100	-	+218°C ⁽⁴⁾		-	-	-	-
 6130	Polyester Film	Si	0,025	0,069	Red	12,30	110,00	100	-	+204°C ⁽⁴⁾		-	-	-	-

Product	Backing	Adhesive Type	Backing Thickness (mm)	Total Thickness (mm)	Colour(s)	Adhesion to steel (N/25mm)	Tensile Strength (N/25mm)	Elongation at break (%)	Breakdown Voltage (V _{ref} VDE 0303)	Insulation Resistance (megaΩ)	Electrolytic Corrosion	Flammability	RoHS	UL-Specification	UL-File-No.
Self Adhesive Tapes for the production of Printed Circuit Boards and Powder Coating															
 6214 PV3	Polyester Film	Si	0,025	0,060	Green, Red, Blue	7,40	98,00	80	5500	+204°C ⁽⁴⁾		●	-	-	
 6215 PV3	Polyester Film	Si	0,050	0,089	Green	8,00	230,00	100	7500	+204°C ⁽⁴⁾		●	-	-	
 4657	Acrylic coated cloth	RT	-	0,290	Grey Black	11,00	270,00	7	-	+170°C ⁽⁴⁾		●	-	-	
 6057V	Plasticized cotton cloth	RT	0,190	0,260	Grey	10,00	200,00	20	2000	+180°C ⁽⁴⁾		●	-	-	
 6057V PV1	Plasticized cotton cloth	RT	0,190	0,260	Grey	12,00	200,00	20	2000	+180°C ⁽⁴⁾		●	-	-	
Conductible Metal Self Adhesive Tapes															
 4384	Copper Film	AS	0,038	0,066	-	10,25	163,00	6	-	-	-	-	●		E354783

*) 7 colours: Yellow, Red, Blue, Black, Green, White, Clear

1) passes UL 510 Flame retardancy

3) zone coated

4) Temperature Resistance

5) Corona resistant

Nomex®, Kapton® und Teflon® are registered Trade names of DuPont de Nemours. Apical® is the Trade name of KANEKA, Japan.



VOLZ Selbstklebetechnik GmbH is independently of the material manufacturer a UL certified re-packager since 2012. By this measure all UL listings of the materials last. VOLZ Selbstklebetechnik GmbH has carried out the following UL listings:

- E354783 (TEOU2)** - Repackaged Recognized Components
- E354783 (TEOU8)** - Repackaged Recognized Components Certified for Canada
- E338128 (OANZ2)** - Insulating Tape Component
- MH47770 (PGGU2)** - Marking and Labeling System Materials – Component

These UL listings can be looked up on the online database of the UL http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.html?_ga=1.174630498.1149138292.1486563635



OANZ2.E338128 - Insulating Tape - Component

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OANZ2.E338128 - Insulating Tape - Component

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OANZ2.E338128 - Insulating Tape - Component

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ONLINE CERTIFICATIONS DIRECTORY

OANZ2.E338128
Insulating Tape - Component

Date: 04/05/2016

See General Information for Insulation, Loss, Component

VOLZ SELBSTKLEBTECHNIK GMBH
GEBUERBETR 16
79227 SCHALLSTADT, GERMANY

Cat. No.	Color	Temp. Range (°C)	Flame Retardance	Smoke Resistance	Gas Emission
Acetate cloth insulating tapes with rubber adhesive					
1000	White	220	Yes	No	No
1000 P10	White	220	Yes	No	No
1000 P20	White	220	Yes	No	No
1000 P30	White	220	Yes	No	No
1000 P40	White	220	Yes	No	No
Acetate paper insulating tapes with acrylic adhesive					
4120	White	175	Yes	No	No
4120 P10	White	175	Yes	No	No
4120 P20	White	175	Yes	No	No
4120 P30	White	175	Yes	No	No
4120 P40	White	175	Yes	No	No
Aluminum foil insulating tapes with acrylic adhesive					
1100	White	175	Yes	No	No
1100 P10	White	175	Yes	No	No
1100 P20	White	175	Yes	No	No
1100 P30	White	175	Yes	No	No
1100 P40	White	175	Yes	No	No
PEI insulating tapes with acrylic adhesive					
1100 P10	White	175	Yes	No	No
1100 P20	White	175	Yes	No	No
1100 P30	White	175	Yes	No	No
1100 P40	White	175	Yes	No	No
Polyester film insulating tapes with acrylic adhesive					
1100 P10	White	175	Yes	No	No
1100 P20	White	175	Yes	No	No
1100 P30	White	175	Yes	No	No
1100 P40	White	175	Yes	No	No
Polyester film insulating tapes with silicone base adhesive					
1100 P10	White	200	Yes	No	No
1100 P20	White	200	Yes	No	No
1100 P30	White	200	Yes	No	No
1100 P40	White	200	Yes	No	No
Polyester film insulating tapes with silicone base adhesive					
1100 P10	White	200	Yes	No	No
1100 P20	White	200	Yes	No	No
1100 P30	White	200	Yes	No	No
1100 P40	White	200	Yes	No	No

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ONLINE CERTIFICATIONS DIRECTORY

OANZ2.E338128
Insulating Tape - Component

Date: 04/05/2016

See General Information for Insulation, Loss, Component

VOLZ SELBSTKLEBTECHNIK GMBH
GEBUERBETR 16
79227 SCHALLSTADT, GERMANY

Cat. No.	Color	Temp. Range (°C)	Flame Retardance	Smoke Resistance	Gas Emission
Acetate cloth insulating tapes with rubber adhesive					
1000	White	220	Yes	No	No
1000 P10	White	220	Yes	No	No
1000 P20	White	220	Yes	No	No
1000 P30	White	220	Yes	No	No
1000 P40	White	220	Yes	No	No
Acetate paper insulating tapes with acrylic adhesive					
4120	White	175	Yes	No	No
4120 P10	White	175	Yes	No	No
4120 P20	White	175	Yes	No	No
4120 P30	White	175	Yes	No	No
4120 P40	White	175	Yes	No	No
Aluminum foil insulating tapes with acrylic adhesive					
1100	White	175	Yes	No	No
1100 P10	White	175	Yes	No	No
1100 P20	White	175	Yes	No	No
1100 P30	White	175	Yes	No	No
1100 P40	White	175	Yes	No	No
PEI films with non-organic polyether reinforcement films with acrylic adhesive					
1100 P10	White	175	Yes	No	No
1100 P20	White	175	Yes	No	No
1100 P30	White	175	Yes	No	No
1100 P40	White	175	Yes	No	No
PEI insulating tapes with acrylic adhesive					
1100 P10	White	175	Yes	No	No
1100 P20	White	175	Yes	No	No
1100 P30	White	175	Yes	No	No
1100 P40	White	175	Yes	No	No
Polyester film insulating tapes with acrylic adhesive					
1100 P10	White	175	Yes	No	No
1100 P20	White	175	Yes	No	No
1100 P30	White	175	Yes	No	No
1100 P40	White	175	Yes	No	No
Polyester film insulating tapes with silicone base adhesive					
1100 P10	White	200	Yes	No	No
1100 P20	White	200	Yes	No	No
1100 P30	White	200	Yes	No	No
1100 P40	White	200	Yes	No	No
Polyester film insulating tapes with silicone base adhesive					
1100 P10	White	200	Yes	No	No
1100 P20	White	200	Yes	No	No
1100 P30	White	200	Yes	No	No
1100 P40	White	200	Yes	No	No

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ONLINE CERTIFICATIONS DIRECTORY

OANZ2.E338128
Insulating Tape - Component

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See General Information for Insulation, Loss, Component

VOLZ SELBSTKLEBTECHNIK GMBH
GEBUERBETR 16
79227 SCHALLSTADT, GERMANY

Cat. No.	Color	Temp. Range (°C)	Flame Retardance	Smoke Resistance	Gas Emission
Acetate cloth insulating tapes with rubber adhesive					
1000	White	220	Yes	No	No
1000 P10	White	220	Yes	No	No
1000 P20	White	220	Yes	No	No
1000 P30	White	220	Yes	No	No
1000 P40	White	220	Yes	No	No
Acetate paper insulating tapes with acrylic adhesive					
4120	White	175	Yes	No	No
4120 P10	White	175	Yes	No	No
4120 P20	White	175	Yes	No	No
4120 P30	White	175	Yes	No	No
4120 P40	White	175	Yes	No	No
Aluminum foil insulating tapes with acrylic adhesive					
1100	White	175	Yes	No	No
1100 P10	White	175	Yes	No	No
1100 P20	White	175	Yes	No	No
1100 P30	White	175	Yes	No	No
1100 P40	White	175	Yes	No	No
PEI films with non-organic polyether reinforcement films with acrylic adhesive					
1100 P10	White	175	Yes	No	No
1100 P20	White	175	Yes	No	No
1100 P30	White	175	Yes	No	No
1100 P40	White	175	Yes	No	No
PEI insulating tapes with acrylic adhesive					
1100 P10	White	175	Yes	No	No
1100 P20	White	175	Yes	No	No
1100 P30	White	175	Yes	No	No
1100 P40	White	175	Yes	No	No
Polyester film insulating tapes with acrylic adhesive					
1100 P10	White	175	Yes	No	No
1100 P20	White	175	Yes	No	No
1100 P30	White	175	Yes	No	No
1100 P40	White	175	Yes	No	No
Polyester film insulating tapes with silicone base adhesive					
1100 P10	White	200	Yes	No	No
1100 P20	White	200	Yes	No	No
1100 P30	White	200	Yes	No	No
1100 P40	White	200	Yes	No	No
Polyester film insulating tapes with silicone base adhesive					
1100 P10	White	200	Yes	No	No
1100 P20	White	200	Yes	No	No
1100 P30	White	200	Yes	No	No
1100 P40	White	200	Yes	No	No

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Product	Core insulation, Between layers Insulation	Insulation for soldering and welding spots	Strain relief for supply lines	Closing bandage	Masking of self supporting coils	Masking winding ends	Protection for resin treatment	Masking for coil multiple winding	Fastening of none sticking insulation	Spiral head and phasing insulation	Masking for gold contacts, strip conductors and wave soldering	Product
54353			●	●	●	●				●		54353
3053			●	●	●	●				●		3053
51337			●	●	●	●				●		51337
51587	●		●	●	●	●	●	●	●	●		51587
51588	●		●	●	●	●	●	●	●	●		51588
51594	●		●	●	●	●	●	●	●	●		51594
54107	●		●	●	●	●	●	●	●	●		54107
54108	●		●	●	●	●	●	●	●	●		54108
50501	●		●	●	●	●	●	●	●	●		50501
51589	●		●	●	●	●	●	●	●	●		51589
54113	●		●	●	●	●	●	●	●	●		54113
54143	●		●	●	●	●	●	●	●	●		54143
11350-1	●		●	●	●	●	●	●	●	●		11350-1
11350-2	●		●	●	●	●	●	●	●	●		11350-2
11350-1-DS	●		●	●	●	●	●	●	●	●		11350-1-DS
4560			●	●	●	●	●	●	●	●		4560
5060 PV1			●	●	●	●	●	●	●	●		5060 PV1
5060 PV2			●	●	●	●	●	●	●	●		5060 PV2
5060 PV3			●	●	●	●	●	●	●	●		5060 PV3
5060 PV4			●	●	●	●	●	●	●	●		5060 PV4
4138	●			●	●	●		●	●	●		4138
4564				●						●		4564
11600PV3			●	●	●		●	●	●	●		11600PV3
4426	●	●	●			●				●		4426
4427	●	●	●			●				●		4427
51578	●	●	●			●				●		51578
54354	●	●	●	●	●	●				●		54354
51596	●	●	●	●	●	●				●		51596
51245	●	●	●	●	●	●				●		51245
51580	●	●	●	●	●	●				●		51580
51599			●	●	●	●						51599
51595	●	●	●	●	●	●				●		51595
11595	●	●	●	●	●	●				●		11595
11044PV2	●	●	●	●	●	●				●		11044PV2
11044PV3	●	●	●	●	●	●				●		11044PV3
51597			●	●	●	●						51597
11597			●	●	●	●						11597
4237			●	●	●	●						4237
4238			●	●	●	●						4238
2036			●	●	●	●						2036
4616			●	●	●	●	●			●	●	4616

Product	Core insulation, Between layers Insulation	Insulation for soldering and welding spots	Strain relief for supply lines	Closing bandage	Masking of self supporting coils	Masking winding ends	Protection for resin treatment	Masking for coil multiple winding	Fastening of none sticking insulation	Spiral head and phasing insulation	Masking for gold contacts, strip conductors and wave soldering	Product
4617			●	●	●	●	●			●	●	4617
6017			●	●	●	●	●			●	●	6017
6017 PV3			●	●	●	●	●			●	●	6017 PV3
6017 PV4			●	●	●	●	●			●	●	6017 PV4
6017 PV5			●	●	●	●	●			●	●	6017 PV5
41356PV2		●	●	●						●		41356PV2
41356PV3		●	●	●						●		41356PV3
56228FR	●			●						●		56228FR
61228PV3	●			●						●		61228PV3
51579	●			●	●		●	●	●			51579
11579	●			●	●		●	●	●			11579
11202PV3	●			●	●					●	●	11202PV3
4118	●	●		●	●		●	●	●		●	4118
1018	●	●		●	●		●	●	●		●	1018
4428	●	●		●	●		●	●	●		●	4428
4429	●	●		●	●		●	●	●		●	4429
1018 PV2	●	●		●	●		●	●	●		●	1018 PV2
1018 PV3	●	●		●	●		●	●	●		●	1018 PV3
1018 PV4	●	●		●	●		●	●	●		●	1018 PV4
1018 PV5	●	●		●	●		●	●	●		●	1018 PV5
1018-DS	●	●		●	●		●	●	●		●	1018-DS
1019	●	●		●	●		●	●	●		●	1019
1019 PV1	●	●		●	●		●	●	●		●	1019 PV1
4618			●	●	●	●	●			●	●	4618
6018 PV3			●	●	●	●	●			●	●	6018 PV3
6018 PV4			●	●	●	●	●			●	●	6018 PV4
FM-38											●	FM-38
FM-48											●	FM-48
FM-58											●	FM-58
FM-28											●	FM-28
FM-29											●	FM-29
6120											●	6120
6130											●	6130
6214 PV3											●	6214 PV3
6215 PV3											●	6215 PV3
4657											●	4657
6057V											●	6057V
6057V PV1											●	6057V PV1
4384	●	●	●	●	●	●	●	●	●	●	●	4384

Polyester Film



are of high insulation and penetration capacity, despite a lesser foil thickness (25µm). Due to the implemented acrylic adhesive, they are also resistant against chemicals and solvents. Polyester foils are mostly implemented for:

- Core and between layers insulation, strain relief for supply lines, closing bandage, masking of self supporting coils as well as masking winding ends, spiral head insulation, phases disconnection.
- Fastening of non sticking insulation.
- Masking for coils multiple insulation or resin varnish treatment.

Polyester Laminates



are furnished with two different carrying layers and consist therefore of two excellent characteristics. Paper/polyester laminates offer stability and own stiffness, easily to be torn off. Polyester/polyester fleece laminates offer high constancy against sharp edged and punctual pressure and a padded protective function. Polyester laminates are mainly applied for:

- Core insulation, between layers insulation, insulation of soldering and welding spots as well as supply lines, strain relief for supply lines, closing bandage.
- Masking of self supporting coils and masking of winding ends.

Polyester reinforced with Glass Filament



These adhesive tapes are mainly used as protective bandage for oil transformers respectively where bundling of large and heavy single coils are demanded. The glass fibres provide an enormous breaking load and the polyester foil a high disruptive strength. Typical applications are:

- Strain relief for supply lines, masking bandage.
- Masking of winding ends.

Glass Cloth



Glass fabric adhesives are especially adaptive and flexible. Based on the high temperature durability and enormous tear resistance, the glass fabric adhesives are ideal for any insulation applications. Due to the different glue adhesive systems, the glass fabric tapes are available for all insulation types.

Applications:

- Strain relief for supply lines, masking bandage.
- Masking of self supporting coils as well as masking winding ends.
- Spiral head insulation, phases disconnection, masking for resin varnish treatment.

Specialty



These adhesive tapes are of extraordinary characteristics and are particularly implemented for high voltage insulation. They are of special carrying materials, such as Teflon®, Nomex®, polyester fibre or acetate silk fibre. The strip coating at Intertape® 4564 allows complete impregnation of lacquers and resins. These adhesive tapes may be implemented in any areas.

Polyimide Film



When high temperatures are requested, these adhesive tapes are implemented. Often for applications outside electrical engineering. For a short period, polyimide foils endure in temperature areas of 120°C up to 350°C and are of an enormous power force. Typical applications are:

- Core and between layer insulation, masking self supporting coils as well as winding ends.
- Insulation of soldering and welding spots as well as supply lines, closing bandage.
- Masking for coils multiple insulation or resin varnish treatment.
- Fastening of non sticking insulation.
- Masking for wave soldering, strip conductors and gold contacts.

Temperature Rating


Each adhesive tape is allowed to be used at continuous temperature level as shown in this table. Data are for use at 20.000 hours at the temperature continuously.


Insulation Class	Temperature Rating
Y	90°C
A	105°C
B	130°C
F	155°C
H	180°C
C	200°C

Storage Conditions

The adhesive tape rolls should always be stored in their original cartons, upright and not in a horizontal position. Always protect the tape of incident solar radiation. For the best shelf life, storage temperature should be between 15°C and 25°C with a relative humidity of 50% (± 30%). To get their characteristics after storage below 15°C, the adhesive tapes should warm up within room temperature for a min. of 24 hours before they will be used.


Quality Management System





CERTIFICATE

This is to certify that



Volz Selbstklebetechnik GmbH
Fischerinsel 3
 79227 Schallstadt
 Germany


has implemented and maintains a Quality Management System.

Scope:
 Development, converting, production and distribution of customer specific cuttings, self-adhesive and non-adhesive die-cutting parts from technical self-adhesive tapes, label materials, foam materials and electrical insulating materials in sitting, rewinding, die-cutting and laminating technology as well as the distribution and trade of technical self-adhesive tapes, electrical insulating materials, processing equipment, packing materials and adhesives, development and production of self-adhesive tapes

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

ISO 9001 : 2015

Certificate registration no. 388757 QM15
 Date of revision 2017-05-02
 Valid from 2016-12-09
 Valid until 2019-12-08
 Date of certification 2017-05-02



DQS GmbH

Frank Gröhen
 Frank Gröhen
 Managing Director

Accredited Body: DQS GmbH, August-Schanz-Straße 21, 60433 Frankfurt am Main, Germany

Adhesive Masses

A	Acrylic
AT	Acrylic – thermosetting
AS	Acrylic with silver particle
R	Natural Rubber
RT	Natural Rubber - thermosetting
RTF	Natural Rubber - thermosetting, flame retardant
Si	Silicone
SiT	Silicone - thermosetting

Adhesive Type

Acrylic

Acrylic adhesive resists to varnish solvents even if not fully cured. The acrylic offers a high ageing resistance until 155°C in use.

Natural Rubber Adhesive

Natural rubber adhesive requires lowest temperature cure cycle to reach its maximum performance but is limited at 130°C for continuously use.

Silicone

Silicone adhesive is used when extremely high temperature is required and up to 180°C. The heat cycle for this adhesive is higher and longer.

Thermosetting

Having the property to perform in a higher bonding when heated or cured.

Slitting Tolerance

Film	± 0,4mm	(± 1/64")
Cloths	± 0,4mm	(± 1/64")
Laminates	± 0,4mm	(± 1/64")
Length > 100m	± 0,8mm	(± 1/32")

Other tolerance on enquiry

Thermosetting Cycles

Acrylic- and Rubber Adhesives thermosetting	Silicone Adhesives thermosetting
1 hour at 150°C	2 hours at 260°C
2 hours at 130°C	24 hours at 260°C / for maximum resistance to solvent
3 hours at 120°C	

