

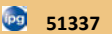














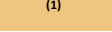

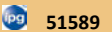






































































































Adhesive Tapes for Electrical Insulation






















































For Transformers, Spools, Electric Motors, Printed Circuit Boards, and more.












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	Yellow Clear	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	●	-	-
 11350-1-DS	Polyester Film (double sided)	AT	0,025	0,095	Yellow	10,00	110	100	5000	10 ¹⁵	A1,0	BU1	●	-	-
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	●	-	-
 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
 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
 61228 PV4	Nomex®	Si	0,050	0,090	White	3,9	98,00	10	2500	-	-	-		-	-
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
 1018 PV6⁽²⁾	Polyimide Film	Si	0,025	0,60	Amber	6,40	>88,00	>40	5500	-	-	-		-	-
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	0 12,7 I 1,5	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
 6020⁽¹⁾ PV1	Glass Cloth	Si	-	0,190	Silber	10,7	490 N	9	-	-	-	-		-	-
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⁾				-	-

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.
Self Adhesive Tapes for the Production of Printed Circuit Boards and Powder Coating															
 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⁾		●	-	-	
 6214 PV1	Polyester Film	Si	0,025	0,055	Light Blue	12,5	125	130	-	+204°C ⁽⁴⁾		●	-	-	
 6214 PV3	Polyester Film	Si	0,025	0,060	Green, Red, Blue	7,40	98,00	80	5500	+204°C ⁽⁴⁾		●	-	-	
 6215 PV1	Polyester Film	Si	0,050	0,085	Green	11,6	210,00	165	>4000	+220°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⁾		●	-	-	
Conductible Metal Self Adhesive Tapes															
 4384 PV1	Kupferfolie	AS	0,025	0,065	-	7,10	6,9	-	-	1,0	-	-	●	-	-

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

1) Passes UL 510 Flame Retardancy

2) ESD-Shielding

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 has been a UL-certified Converter since 2012, independent of the material manufacturer. This ensures that the UL listings of the materials we convert remain valid.

Volz Selbstklebetechnik GmbH has 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



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
4617			●	●	●	●	●			●	●	4617

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
6017 PV3			●	●	●	●	●			●	●	6017 PV3
6017 PV4			●	●	●	●	●			●	●	6017 PV4
6017 PV5			●	●	●	●	●			●	●	6017 PV5
41356PV2		●	●	●						●		41356PV2
41356PV3		●	●	●						●		41356PV3
56228FR	●			●						●		56228FR
61228PV3	●			●						●		61228PV3
61228PV4	●			●						●		61228PV4
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 PV6	●	●		●	●		●	●	●		●	1018 PV6
1018-DS	●	●		●	●		●	●	●		●	1018-DS
1019	●	●		●	●		●	●	●		●	1019
1019 PV1	●	●		●	●		●	●	●		●	1019 PV1
4618			●	●	●	●	●			●	●	4618
6018 PV3			●	●	●	●	●			●	●	6018 PV3
6020 PV1												6020 PV1
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 PV1											●	6214 PV1
6214 PV3											●	6214 PV3
6215 PV1											●	6215 PV1
6215 PV3											●	6215 PV3
4657											●	4657
6057V											●	6057V
4384 PV1	●	●	●	●	●	●	●	●	●	●	●	4384 PV1

Polyester Films



Polyester Films have a high insulation and dielectric strength, despite a lesser foil thickness (25µm). They are also resistant to chemicals and solvents due to the acrylic adhesive used. Polyester foils are mainly used for the following applications:

- Core and intermediate layer insulation, strain relief for supply lines, closing tapes, masking of self-supporting coils as well as masking winding ends, spiral head insulation, phases disconnection.
- Fastening of non-sticking insulation.
- Masking in multiple coil winding insulation or during impregnating resin varnish treatment.

Polyester Laminates



Polyester Laminates are coated with two different carrier layers and therefore have excellent properties. Paper/polyester laminates offer strength, stability and intrinsic stiffness and can be easily torn-off by hand. Polyester/Polyester-fleece laminates offer high resistance to sharp-edged and punctual pressure, as well as a padded protective function. Polyester laminates are mainly utilized for:

- Core insulation, intermediate layer insulation, insulation of soldered and welded joints as well as supply lines, strain relief for supply lines, closing bandages.
- Masking of self-supported coils, as well as masking winding ends.

Polyester Reinforced with Glass Filament



These adhesive tapes are mainly used as protective tapes for oil transformers where bundling of large and heavy single coils is required. The glass filament provides a high tensile strength and the polyester film a high dielectric strength. Typical applications are:

- Strain relief for supply lines, as closing masking bandages at the beginning and end of winding.
- Masking of winding ends.

Glass Cloth



Glass cloth tapes are especially conformable and flexible. Due to their high temperature resistance and strong tensile strength, glass cloth tapes are ideal for any insulation application. Due to the different glue adhesive systems, glass cloth tapes are available for all insulation classes. Applications:

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

Specialty Tapes



These tapes have unique properties and are used especially for high voltage insulation. They consist of special carrier materials, such as Teflon®, Nomex®, polyester cloth or acetate silk cloth. The strip coating at Intertape® 4564, allows complete impregnation of lacquers and resins. These adhesive tapes may be implemented in any area.

Polyimide Film



Polyimide film tapes are used when high temperatures are required. They are also often used for applications outside electrical engineering. Polyimide foils withstand short-term temperature ranges of 120°C up to 350°C and have a very high dielectric strength. Typical applications are:

- Core and intermediate layer insulation, masking self-supporting coils as well as winding ends.
- Insulation of soldered and welded joints as well as supply lines, closing bandages.
- Masking in multiple coil winding or during impregnating resin treatment.
- Fastening of non-sticking insulation.
- Masking for wave soldering, circuit boards and gold contacts.

Temperature Rating

Each adhesive tape is classified based on its ability to withstand the corresponding temperature level during 20,000 hours of continual use.

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

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 solvent resistance
3 hours at 120°C	

Storage Conditions

Tape rolls should be stored in their original cartons, upright and not in a horizontal position. Always protect the tape from sunlight. For the best shelf life, storage temperature should be between 15°C and 25°C with a relative humidity of 50% (± 30%). Tapes stored below 15°C, should be kept at room temperature for at least 24 hours before use to ensure that the tape regains its distinctive properties.

Adhesive Properties

Acrylic

Acrylic adhesive is resistant to UV radiation, light and aging, and is compatible with impregnating and trickle resins. Acrylic adhesives are resistant to solvents and some oils. The combination of synthetic polymers is thinner than with rubber adhesive.

Natural Rubber Adhesive

The addition of resins and antioxidants results in a strong and impregnant-resistant adhesive compound, which is, however limited in its temperature range.

Silicone

Only polysiloxane adhesive compounds meet the requirements of insulation class H (180°C continuous temperature). In combination with a non-flammable carrier (polyimide, glass cloth, etc.), an adhesive tape for extreme applications will be obtained.

Thermosetting

The adhesive mass is solidified when heated or cured, thus decisively improving its resistance to impregnating agents.

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

Slitting Tolerance

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

Smaller cutting tolerances possible by request

Quality Management System



Environmental Management System



