

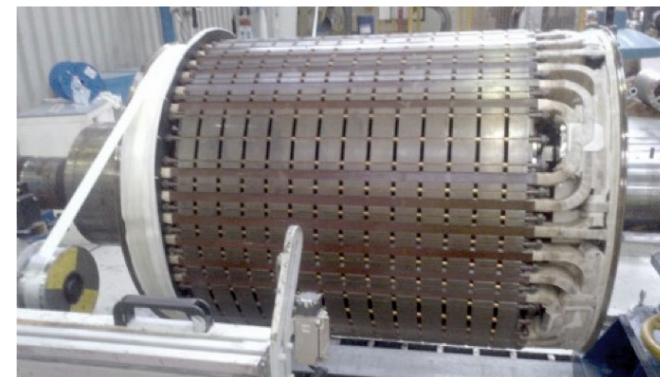
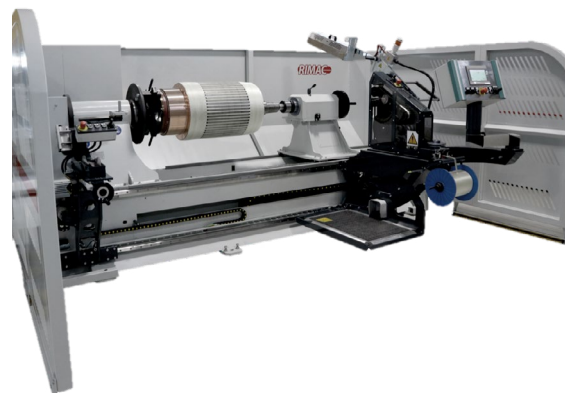
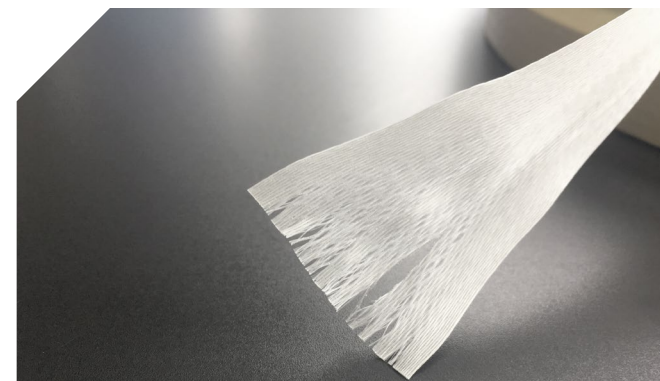
PRODUCT APPLICATION

For best results (high retained tension) we recommend the following procedure:

- + Fasten the tape before starting banding
- + Hot banding process, temperature of 65-95°C applied during banding. Achieved by infrared amps or hot air blower. Cold banding is possible, resulting in lower retained tension
- + Banding tension recommendation see below
- + Banding speed of 30 feet per minute
- + Fix/solder the end of the tape after banding (e.g. hot iron)

Banding tension recommendation

Nominal width	Tension
3/8"	250 lbs
1/2"	325 lbs
3/4"	500 lbs
1"	650 lbs



As one of the oldest industrial companies in Switzerland, founded in 1803, we focus on products and systems for power generation, transmission and distribution, rotating machines and mechanical engineering. Von Roll is the global market leader for insulation products and the only company to offer the complete range of insulation products, composites, consulting, tests and services for the electrotechnical industry.

For more than 100 years, we have been making outstanding contributions to this market, developing a number of highly innovative products that have enabled both steady increases in power output and smaller and more compact machines.

CONTACT US:

EUROPE

Von Roll Schweiz AG
 Passwangstrasse 20
 4426 Breitenbach
 Switzerland
 P +41 61 785 5111
 cs.europe.mica@vonroll.com

Von Roll Italia S.r.l.
 Via Rigolfo, n° 73 (zona Vadò)
 10028 Trofarello (TO)
 Italy
 T +39 011 649 31 11
 cs.europe.liqu@vonroll.com

Von Roll France SA
 145, rue de la République,
 BP 128
 69883 Meyzieu Cedex
 France
 T +33 478 04 59 04
 cs.europe.liqu@vonroll.com

ASIA/PACIFIC

Von Roll Asia Pte Ltd.
 Woods Square, Tower 2
 6 Woodlands Square #08-06
 Singapore 737737
 Singapore
 T +65 655 647 88
 cs.asia@vonroll.com

Von Roll Shanghai Co., Ltd.
 Unit C, No.1235, Minqiang Road
 Songjiang District
 Shanghai, 201612
 China
 P +86 21 6768 7020
 cs.asia@vonroll.com

Von Roll India Pvt Ltd.
 15/1/2, 20/1B,
 Kempalinganahalli
 NH-48, Kunigal Road,
 Nelamangala
 Bangalore-562123
 India
 P +91 80 230 87 700
 cs.india@vonroll.com

AMERICA

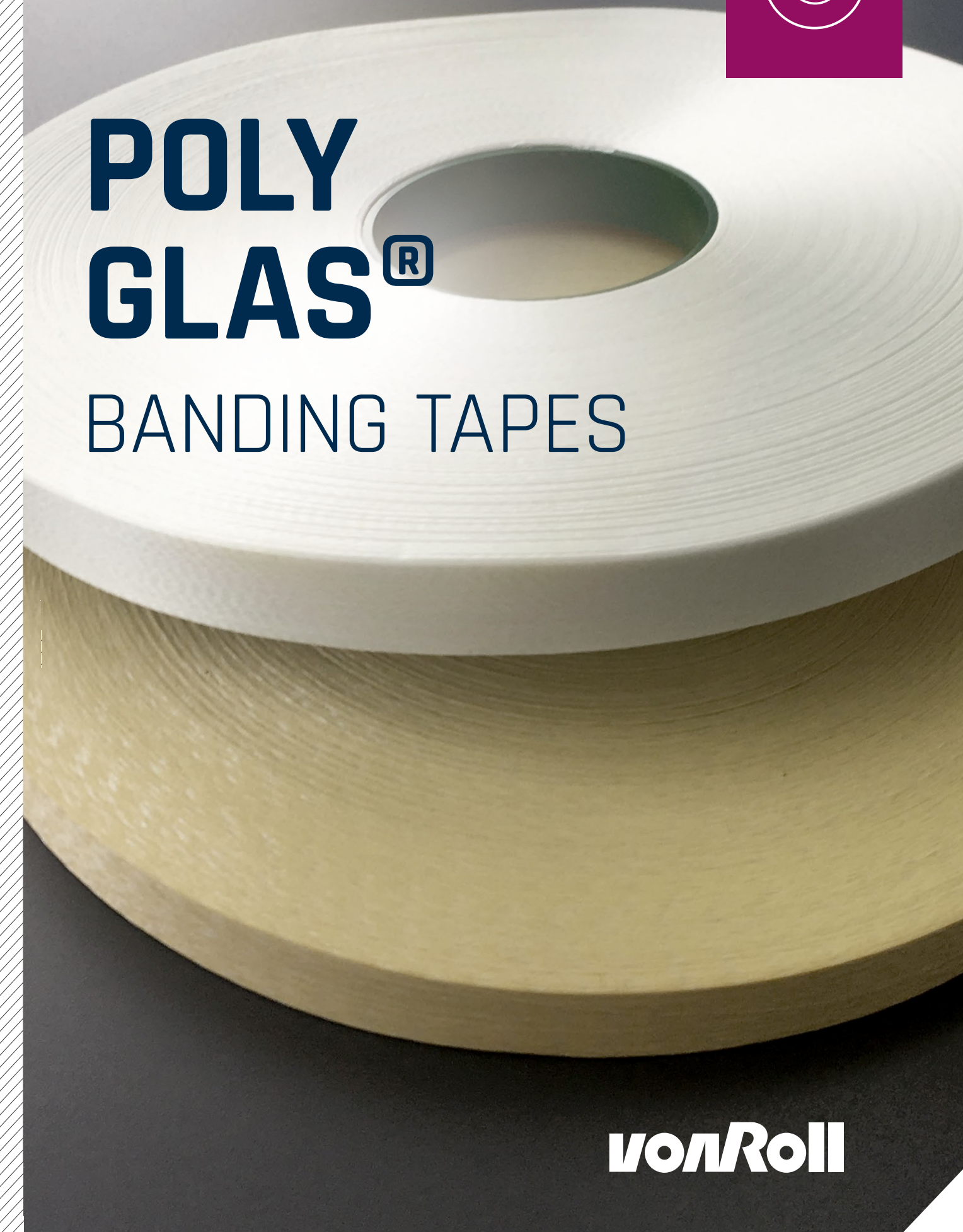
Von Roll USA, Inc.
 200 Von Roll Drive
 Schenectady,
 NY 12306
 USA
 P +1 518-344-7100
 sales.us@vonroll.com

Von Roll do Brasil Ltda
 Rua Vaticano, No. 179
 06713-040, Jd. Fontana Cotia,
 Sao Paulo
 Brazil
 P +55 11 4208 5995
 cs.south.america@vonroll.com



POLY GLAS®

BANDING TAPES



POLY GLAS®

Poly Glas® banding tapes are B-stage (semi-cured) unidirectional glass fiber tapes that are soft and sticky for easy application. After curing, they form a homogeneous, hard and tough ring.

They are mainly used for:

- + Banding all kinds of motor coils and overhangs
- + Tying cores, coils and columns of oil-filled and dry transformers
- + Bracing and locking all kinds of form-wound coils
- + Blocking and tying parts for a wide variety of machines and devices

Compared to steel locking systems, Poly Glas® has the following advantages:

- + Outstanding long-term mechanical properties (fatigue resistance)
- + Electrically insulating (prevention of eddy currents)
- + Resistant to moisture and chemicals (no corrosion)
- + Lightweight
- + Lower cost

Contact our experts to select the optimal product for your application.

PRODUCTS

Product	Poly Glas® 76830	Poly Glas® 76843	Poly Glas® 76843L	Poly Glas® 76870	Poly Glas® 76870L	Poly Glas® 76881
Description	Standard duty material	Moisture resistant formulation	Moisture resistant formulation, lower resin content	High temperature resistance	High temperature resistance, lower resin content	Low temperature curing
Thermal class	F (155°C)	F (155°C)	F (155°C)	R (220°C)	R (220°C)	F (155°C)
Thickness (mils)	11.5	11.5	11.5	11.5	11.5	11
Volatile content (%)	≤ 1	≤ 1	≤ 1	≤ 1	≤ 1	≤ 1
Resin content (%)	29 ± 3	29 ± 2	19.5 ± 1.5	27 ± 2	20 ± 2	23 ± 3
Tensile strength after curing (psi)	≥ 200.000	≥ 200.000	≥ 200.000	≥ 200.000	≥ 200.000	≥ 100.000
Arc resistance (ASTM D 495), seconds	≥ 120	≥ 120	≥ 120	≥ 120	≥ 120	≥ 120
Shelf life @ 45 °F (7 °C) months	12	12	12	12	12	12

Product	Poly Glas® 76830	Poly Glas® 76843	Poly Glas® 76843L	Poly Glas® 76870	Poly Glas® 76870L	Poly Glas® 76881
Shelf life @ 77 °F (25 °C) months	6	6	6	6	6	6
Curing conditions	2 h @ 150°C 1 h @ 175°C	2 h @ 150°C 1 h @ 175°C	2 h @ 150°C 1 h @ 175°C	2 h @ 150°C 1 h @ 175°C	2 h @ 150°C 1 h @ 175°C	6 h @ 100°C 3 h @ 110°C 1.5 h @ 120°C
Standard width	3/8" to 1"	3/8" to 1"	3/4"	1/8" to 2"	3/4"	1/2" to 1"
Length pad	300' and 750'	300' and 750'	-	300' and 750'	-	300' and 750'
Length crosswound spool	750' to 9000'	750' to 9000'	6000'	750' to 9000'	6000'	750' to 9000'

