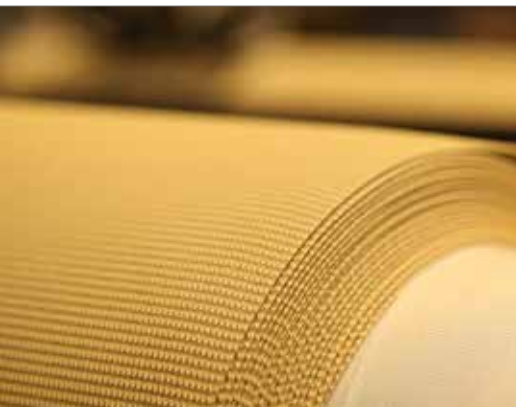




*Passion for belting*

**Your partner  
for product excellence**

Conveyor belts  
Tangential belts  
Technical elastomer items



**Textile industry**



## Conveyor belts Tangential belts Technical elastomer items for the Textile Industry

Chiorino produces a complete range of high performance items able to meet all application requirements of the whole textile cycle, from yarn production to printing, cutting and packaging.

- **Printing blankets**
- **Conveyor belts for non-woven**
- **Conveyor belts for finishing, cutting, packaging and industrial laundries**
- **Belts for tangential drives**
- **Spindle tapes**
- **Texgum roller coverings**
- **Aprons and cots for spinning and texturizing**
- **Condenser rubber aprons**
- **Coverings for expanding rollers**

**Chiorino has over 100-year in TEXTILE CULTURE.** Founded in 1906 in Biella (heart of the Italian wool industry) as a tannery to supply the local spinning and weaving mills with technical leather items, the Company is today one of the leading manufacturers of synthetic conveyor and transmission belts for all industrial sectors.

The hundred-year-old experience in textile, the constant attention to the technological developments of the market and the expertise of our R&D laboratories in developing customized solutions make CHIORINO the ideal partner for OEMs and endusers of the textile sector all over the world.

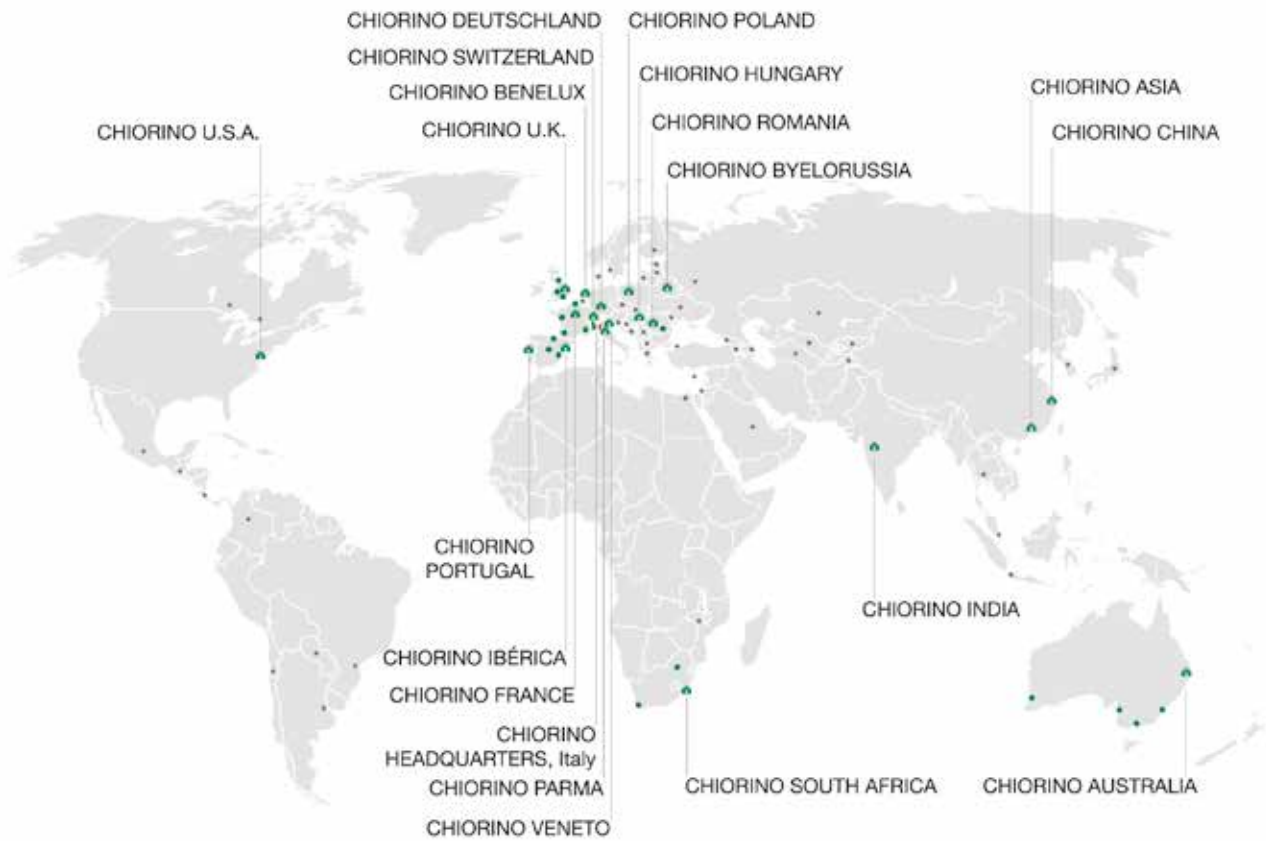


**Quality, Safety and Environment certified**

UNI EN ISO 9001:2015  
UNI EN ISO 14001:2015  
OHSAS 18001:2007  
EMAS



# CHIORINO GROUP



- 🏠 Associated Company - Headquarters
- Associated Company - Branch
- ★ Distributor



CHIORINO operates all over the world through **19 Associated Companies** and **more than 60 highly qualified Distributors and Assistance Centres** which guarantee and provide prompt assistance and installation service **24/7**.





# Printing Blankets

## Conveyor and process belts

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### Textile printing

Chiorino printing blankets have been developed to fulfill your technical and economical requirements, considering latest market trends.

The Chiorino special thermoplastic polyurethane cover layer is a breakthrough in printing blanket innovation, combining precision, high chemical & temperature resistance and excellent compressibility to achieve optimum printing results and long service life.

- > **DIGITAL PRINTING**
- > **ROTARY PRINTING**
- > **FLAT-BED PRINTING**



### Benefits

- Excellent printing accuracy
- Highest working reliability
- Excellent resistance to inks and chemicals
- Long service life
- Easy and fast on-site installation
- Increased productivity
- Cost saving



### Nonwoven and diapers

Chiorino polyurethane belts for nonwoven production are developed in close co-operation with OEMs and endusers and meet the increasingly growing demands for light-weighted, fast and mechanically performing machines.

- > **CROSS-LAPPERS**
- > **DIAPERS PRODUCTION**

### Benefits

- High conductivity
- Suitable for high speeds
- Excellent sliding properties
- Excellent evenness
- Excellent mechanical resistance
- High resistance to oils, greases and chemicals
- Long service life



## Finishing, cutting and packaging

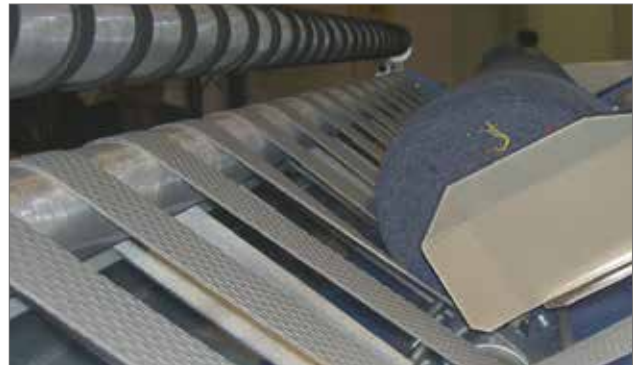
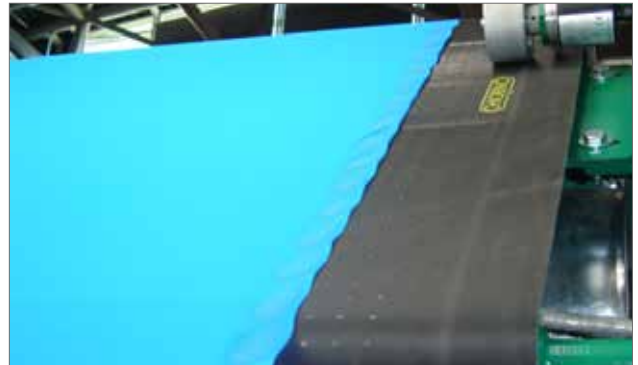
Chiorino wide offer meets belt demand for any kind of application:

- > **FABRIC INSPECTION**
- > **AUTOMATIC CUTTING**
- > **PACKAGING**

If required, Chiorino supplies belts with high precision perforations in any size.

### Benefits

- **Asolute conveying precision**
- **Low noise**
- **No damage to fabrics**
- **Optimal friction coefficient**
- **High cut resistance**
- **Air permeable**
- **Long service life**



## Industrial laundries

Chiorino supplies first equipment belts to the leading manufacturer of industrial laundries.

The wide range of Chiorino belts satisfy all the requirements for belts with textile carcass and for FAST JOINT elastic belts which ensure an easy and quick installation on site.

If required, Chiorino supplies belts with high precision perforations in any size.

### Benefits

- **High resistance to wear**
- **Total conveying uniformity**
- **Low noise**
- **Excellent drag**
- **No damage to textiles**
- **Wide variety of surface patterns**
- **Easy and quick installation of Fast Joint belts**
- **Long service life**



# Conveyor and process belts

## Production program

Code	Type	Textile carcass	Conveying surface coating		Driving surface coating		Perm. antistatic	Total thickness	Min. diameter (1)	Pull for 1% elong. (2)	Max. admiss. pull	Temperature resistance (3)		Coeff. of friction (4)	Max. produc. width
			material	colour	material	colour						min. [°C]	max. [°C]		
NA-1386	<b>PB-215</b>	PET	TPU	●	TPU	●	✓	2.15	80	15	20	-20	100	LF	2100
NA-1390	<b>PB-265</b>	PET	TPU	●	TPU	●	✓	2.65	100	15	20	-20	100	LF	2100
NA-1392	<b>PB-265 XW</b>	PET	TPU	●	TPU	●	✓	2.65	100	15	20	-20	100	LF	3500
NA-1204	<b>XM-3 E/U10 N</b>	PET	TPU	●	PET	●	✓	2.60	100	20	30	-20	100	LF	2000
NA-899	<b>EL4-U20 HP blue</b>	---	TPU	●	TPU	●		2.00	10	4	4	-30	60	MF	2000
NA-405	<b>EL4-U20 FH</b>	---	TPU	●	TPU	●		2.10	10	4	4	-20	60	MF	2000
NA-99	<b>1M6 U0-U5 FL</b>	PET	TPU	●	TPU	●	✓	1.00	10	6	6	-20	100	MF	2000
NA-1255	<b>2M10 U0-U2 N HC SP</b>	PET	TPU	●	TPU	●	✓	1.20	4	10	10	-20	100	LF	3600
NA-394	<b>2M12 U0-V-U0 GR</b>	PET	TPU	●	TPU	●	✓	1.70	40	12	24	-10	60	LF	3000
NA-1289	<b>2M12 U0-U2 SP</b>	PET	TPU	●	TPU	○	✓	1.50	6	8	16	-20	100	MF	3500
NA-1128	<b>2M12 U0-U17</b>	PET	TPU	●	TPU	●	✓	3.40	80	12	24	-20	100	LF	2000
NA-538	<b>3M8 U0-U3</b>	PET	TPU	●	TPU	●	✓	2.20	60	10	20	-20	100	LF	2000
NA-509	<b>1M6 U0-V3 A N</b>	PET	PVC	●	TPU	●	✓	0.85	20	6	6	-10	60	LF	3500
NA-281	<b>2T5 0-V-0</b>	PET	PET	○	PET	○	✓	1.60	20	5	10	-10	60	LF	2000
NA-49	<b>2MT5 U0-V3 N</b>	PET	PVC	●	TPU	○	✓	1.80	20	6	12	-10	60	LF	3000
NA-606	<b>2MT5 U0-V3 SM N</b>	PET	PVC	●	TPU	○	✓	1.90	20	6	12	-10	60	LF	2000
NA-91	<b>2M8 U0-V-U0</b>	PET	TPU	○	TPU	○	✓	1.50	30	8	16	-10	60	LF	3000
NA-30	<b>2M8 U0-V5 A</b>	PET	PVC	●	TPU	●	✓	2.00	30	8	16	-10	60	MF	3500
NA-31	<b>2M8 U0-V5 FM</b>	PET	PVC	●	TPU	●	✓	2.10	30	8	16	-10	60	MF	3000
NA-189	<b>2M8 U0-V5 FM N</b>	PET	PVC	●	TPU	●	✓	2.10	30	8	16	-10	60	HF	3000
NA-942	<b>2M8 U0-V5 PS GR</b>	PET	PVC	●	TPU	○	✓	2.30	30	8	16	-10	60	HF	500
NA-220	<b>2M8 U0-V5 RT GR</b>	PET	PVC	●	TPU	○	✓	2.20	30	8	16	-10	60	HF	2000
NA-32	<b>2M8 U0-V17 GP</b>	PET	PVC	●	TPU	○	✓	5.20	50	8	16	-10	60	HF	2000
NA-33	<b>2M12 U0-V8 RT</b>	PET	PVC	●	TPU	○	✓	2.30	40	12	24	-10	60	HF	2000
NA-258	<b>2M12 U0-V10 RT</b>	PET	PVC	●	TPU	○	✓	2.60	50	12	24	-10	60	HF	2000
NA-242	<b>2M12 U0-V15 GPL N</b>	PET	PVC	●	TPU	○	✓	3.80	60	12	24	-10	60	HF	2000
NA-35	<b>2M12 U0-V20 GP</b>	PET	PVC	●	TPU	○	✓	5.50	50	12	24	-10	60	HF	2000
NA-118	<b>2M8 U0-U-G10 FH</b>	PET	elastomer	●	TPU	●	✓	2.30	50	8	16	-20	100	HF	1200
NA-1135	<b>2T12 U0-U-G10 HS FH</b>	PET	elastomer	●	TPU	●	✓	2.20	50	12	24	-20	100	HF	1200
NA-224	<b>SILON 25 W</b>	PET	SILON	○	SILON	○		2.50	30	10	10	-20	100	LF	2000
NA-225	<b>SILON 25 HC</b>	PET	SILON	●	SILON	●	✓	2.50	30	10	10	-20	100	LF	2000
NA-305	<b>SILON 40 HC</b>	PET	SILON	●	SILON	●	✓	4.00	50	10	10	-20	100	LF	2000

The data of this table have been formulated under normal environment conditions. They are subject to alteration without notice.

(1) Minimum roller diameter is dependent on the joint recommended by Chiorino.

(2) Elastic belts "EL": pull for 8% elongation.

(3) Use of the belt with limit values may reduce its life.

(4) Conveying surface coefficient of friction: **LF** low, **MF** medium, **HF** high.

	Textile printing	Nonwoven	Fabric inspection	Automatic cutting	Packaging	Industrial laundries
	✓					
	✓					
	✓					
	✓					
					✓	
						✓
					✓	
		✓				
					✓	
		✓			✓	
				✓		
	✓				✓	
		✓				
						✓
			✓		✓	
			✓			
			✓		✓	
		✓			✓	
		✓			✓	
			✓		✓	
			✓		✓	
						✓
						✓
				✓	✓	
				✓	✓	

**EXPLANATION OF TYPE DESIGNATION**

- 2** Number of plies
- M** Textile carcass
- 8** Pull for 1% elongation (N/mm)
- U** Driving surface coating
- 0** Thickness (mm/10)
- U** Possible interply
- G** Conveying surface coating
- 10** Thickness (mm/10)
- FH** Surface texture  
Other characteristics
  
- EL** Elastic belt  
without textile carcass
- 4** Pull for 8% elongation (N/mm)
- U** Material
- 20** Thickness (mm/10)
- FH** Surface texture  
Other characteristics
  
- SILON** Nonwoven
- 25** Thickness (mm/10)
- W** Other characteristics



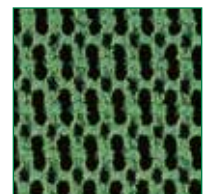
FL



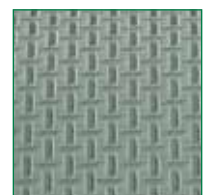
FM



FH



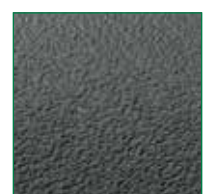
GP



RT



GPL



SM



PS

**TEXTILE CARCASS**

- M** Rigid polyester
- MT** Combined polyester
- T** Flexible polyester

**COATING AND INTERPLY MATERIALS**

- G** Elastomer
- S** Silicone
- U** TPU polyurethane
- V** Polyvinyl chloride (PVC)

**OTHER CHARACTERISTICS**

- A** Permanent antistatic (UNI EN 1718)
- GR** Grey colour conveying surface
- HC** Static conductivity (ISO 284)
- HP** High performance polyurethane
- HS** High performance elastomer HS<sup>®</sup>
- N** Black colour conveying surface
- PB** Printing Blanket
- SM** Super matt conveying surface
- SP** Polyurethane belt 3500 mm wide
- W** White colour conveying surface
- XM** X-Motion<sup>®</sup> Printing Blanket
- XW** Extra wide



# Belts for tangential drives Spindle tapes

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## Belts for tangential drives

CHIORINO produces a wide range of belts for tangential drives able to meet the requirements of the most recent machinery for any application:

- > SPINNING MACHINES
- > OPEN-END
- > TEXTURIZING MACHINES

Thermoplastic belts with *CHIO-TPE* intermediate layer

- Reduced energy consumption
- High temperature resistance
- Reliable FASTJOINT



Polyamide belts with *HS*<sup>®</sup> elastomer cover

- High abrasion resistance
- Excellent resilience
- Long service life



## Spindle tapes

The CHIORINO tapes are suitable to work at high speed on small diameters spindles, without any dimensional alteration, offering many competitive advantages:

- Energy saving
- Excellent flexibility
- High chemical-physical-mechanical resistances
- Low noise
- Uniformity of yarn count
- No dust accumulation on edges
- Long service life

The thermoplastic ST06 type can be fitted on site with the CHIORINO FAST JOINT systems and equipment.



Code	Type	Top surface		Traction core	Bottom surface		Permanent antistatic	Total thickness	Minimum diameter <sup>(1)</sup>	K1% rel.	Temperature resistance	
		material	colour		material	colour					mm	mm

### Thermoplastic belts with *CHIO-TPE* intermediate layer

Aramid line												
CG-256	<b>T60/30A</b>	elastomer	●	aramid	elastomer	●	yes	3.00	50	60	-20	80
Polyester line												
CG-279	<b>T25/20E</b>	elastomer	●	polyester	elastomer	●	yes	2.00	25	17	-20	80
CG-274	<b>T25/25E</b>	"	●	"	"	●	yes	2.50	40	17	-20	80
CG-265	<b>T40/25E</b>	"	●	"	"	●	yes	2.50	50	18	-20	80
CG-280	<b>T40/30E</b>	"	●	"	"	●	yes	3.00	50	19	-20	80

### Polyamide belts with *HS* elastomer cover

CG-287	<b>T0 HS</b>	HS® elastomer	●	polyamide	HS® elastomer	●	yes	1.40	20	2	-20	100
CG-286	<b>T1 HS</b>	"	●	"	"	●	yes	1.50	25	5	-20	100
CG-300	<b>T1R HS</b>	"	●	"	"	●	yes	2.10	25	5	-20	100
CG-272	<b>T2 HS</b>	"	●	"	"	●	yes	2.35	60	8	-20	100
CG-301	<b>T2R HS</b>	"	●	"	"	●	yes	3.00	60	8	-20	100
CG-273	<b>T3 HS</b>	"	●	"	"	●	yes	2.60	100	11	-20	100
CG-302	<b>T3R HS</b>	"	●	"	"	●	yes	3.20	100	11	-20	100
CG-229	<b>T4 HS</b>	"	●	"	"	●	yes	3.10	150	12.5	-20	100
CG-243	<b>T4R HS</b>	"	●	"	"	●	yes	3.90	150	12.5	-20	100
CG-252	<b>T6 HS</b>	"	●	"	"	●	yes	3.50	200	18	-20	100

### Open End

CG-304	<b>T3 OE</b>	elastomer	●	polyamide	elastomer	●	yes	2.70	90	10	-20	100
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(1) The diameter values listed here are dependent upon the running speed. The data in this chart are valid under normal environmental conditions and are subject to change without notice.

Code	Type	Top surface			Traction core	Driving surface			Perm. antistatic	Thick-ness	Min. diam. (1)	Pull for 1% elongation	Max. adm. pull	Temperature resistance	
		material	colour	coeff. friction on steel		material	colour	coeff. friction on steel						mm	mm

### Thermoplastic spindle tape



NA-1150	<b>ST06</b>	TPU	●	-	polyester	TPU impregn. fabric	●	0.2	yes	0.60	10	4	4	-30	100
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### Spindle tapes with polyamide traction core

NA-140	<b>CNG</b>	elastomer	●	-	polyamide	polyamide	●	0.2	yes	0.70	20	2	4	-20	100
NA-145	<b>CNPG</b>	"	●	-	"	"	●	0.2	yes	1.00	20	2	4	0	100

(1) The above mentioned values depend on the type of CHIORINO joint recommended. The data of this table have been formulated under normal environment conditions. They are subject to alteration without notice.

# Roller coverings

**TEXGUM®**



CHIORINO produces a wide range of TEXGUM® roller coverings designed to increase the coefficient of friction of rollers, suitable for any type of fabric, including the thinnest, and for any application in the weaving and finishing industry.

The CHIORINO roller coverings are fully-cycle produced with elastomers designed by the R&D Labs to meet specific requirements.

The comprehensive range offers technical qualities such as:

- **High quality textile carcass with very good dimensional stability even for wet processing**
- **High wear resistant covers**
- **Excellent chemical resistance**
- **High constant quality due to the fully automated cycle of production control**
- **Long service life**



## Characteristics

- **Textile carcass:** polyester fabric, except for the FG types (fiberglass), FLO (non woven).
- **Self-adhesive version (/A):** can be supplied for all types, except for SI0-FG, SI0-FG tr, SI2-FG.
- **Roll's width:** available in 50 - 70 mm. Other widths upon request.

## Recommendations for fitting

Clean rollers thoroughly by means of non oily solvent. To wrap the roller covering spiral-wise, cut the end of the covering aslant by a length equal to the circumference of the roller. Apply the adhesive first to the roller and then to the Texgum covering and wrap the latter while it is still slightly tacky. The silicone adhesive must be applied to the roller only, taking care to wrap the covering on the roller immediately. Then fix the ends of the covering by means of an adhesive tape. Wait for 8 hours before use.



## Adhesives

- **Texcol:** for all types, except SI0-FG.
- **Silicone:** for SI0-FG.

Code	Type	Covering			Thick-ness mm	Weight Kg/m <sup>2</sup>	Temperature resistance		Rolls' length m
		material	colour	hardness Sh.A			min. °C	max. °C	
TX-84	NG0	Natural elastomer	●	50	1.50	1.60	0	100	100
TX-11	NG3		●	50	2.00	2.20	0	100	100
TX-14	NG5		●	50	1.90	2.10	0	100	100
TX-16	NG7		●	50	1.70	1.90	0	100	115
TX-17	NG7-S		●	50	2.50	2.60	0	100	115
TX-166	NG8		●	55	2.00	2.00	0	100	100
TX-36	SG0	Synthetic elastomer	●	55	1.80	2.10	-10	120	115
TX-38	SG0-D		●	75	2.30	2.10	-10	120	115
TX-78	SG0-E		●	50	2.70	2.20	-10	120	115
TX-170	SG0-E nc		●	50	2.70	2.20	-10	120	115
TX-99	SG0-M		●	50	2.20	2.30	-10	120	115
TX-40	SG0-S		●	55	2.50	2.60	-10	120	115
TX-42	SG1		●	55	2.00	2.60	-10	120	115
TX-39	SG1-E		●	40	3.00	2.30	-10	120	115
TX-45	SG3		●	65	2.00	2.20	-10	120	100
TX-48	SG4		●	50	4.20	2.90	-10	120	100
TX-51	SG5		●	65	2.00	1.80	-10	120	100
TX-52	SG6		●	65	2.00	2.30	-10	120	100
TX-55	SG7		○	65	2.00	2.20	-10	120	115
TX-58	SG7 gr		●	65	2.00	2.20	-10	120	115
TX-59	SG7-H		●	65	2.00	2.20	-10	120	115
TX-61	SG7-L		○	65	1.70	2.00	-10	120	115
TX-75	SG7-M		●	50	1.90	1.30	-10	120	115
TX-63	SG7-S		○	65	2.50	2.90	-10	120	115
TX-168	SG8		●	60	2.00	2.10	-10	120	100
TX-165	SG8 HX		●	50	2.50	2.10	-10	120	100
TX-20	PV0	PVC	○	45	1.80	2.00	0	60	100
TX-27	PV0 ve		●	45	1.80	2.00	0	60	100
TX-28	PV5		○	45	2.30	2.40	0	60	100
TX-30	PV5 ve		●	45	2.30	2.40	0	60	100
TX-31	PV6		○	45	1.90	2.00	0	60	100
TX-72	PV6 ve		●	45	1.90	2.00	0	60	100
TX-35	PV7		○	45	1.90	2.00	0	60	100
TX-73	PV7 ve		●	45	1.90	2.00	0	60	100
TX-120	SI0		Silicone	○	50	1.10	1.00	-20	160
TX-104	SI0-S	○		50	2.00	2.10	-20	160	115
TX-67	SI0-FG	○		50	1.40	1.30	-50	200	115
TX-68	SI2-FG	○		50	1.50	1.40	-50	200	115
TX-156	SI1 az	●	45	1.60	1.70	-20	150	115	
TX-94	NP0/A	Neoprene	●	---	3.50	0.70	-40	70	50
TX-7	FLO	Velvet	●	---	2.40	0.80	-10	60	50
TX-95	FLO ne		●	---	2.70	0.90	0	100	100

<b>SG</b>	Type of covering
<b>0</b>	Surface pattern
<b>M</b>	Special execution

#### TYPE OF COVERING

<b>FLO</b>	Velvet
<b>NG</b>	Natural elastomer
<b>NP</b>	Neoprene
<b>PV</b>	PVC
<b>SG</b>	Synthetic elastomer
<b>SI</b>	Silicone

#### SURFACE PATTERNS

<b>0</b>	Smooth
<b>1</b>	Light fabric
<b>2</b>	Medium fabric
<b>3</b>	Heavy fabric
<b>4</b>	Grip face
<b>5</b>	Pimpled
<b>6</b>	Fine sandblast
<b>7</b>	Medium sandblast
<b>8</b>	Heavy sandblast

#### SPECIAL EXECUTIONS

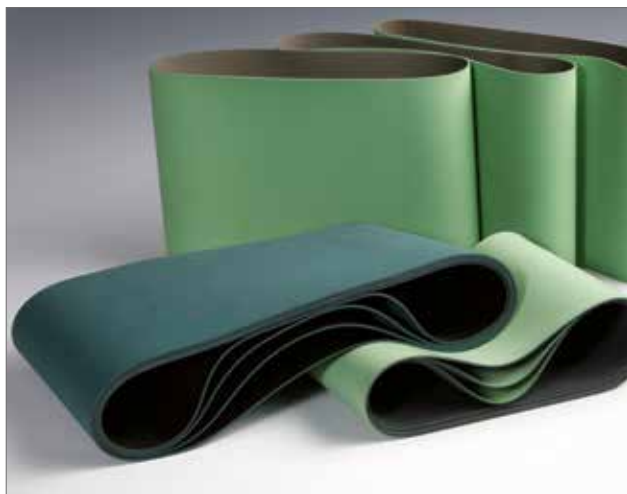
<b>D</b>	High shore hardness
<b>E</b>	Foam synthetic elastomer
<b>FG</b>	Fiberglass textile carcass
<b>H</b>	High performance
<b>HX</b>	High performing carboxylic elastomer
<b>L</b>	Less rubber
<b>M</b>	Soft
<b>S</b>	Extra thickness

The data of this table have been formulated under normal environment conditions. They are subject to alteration without notice.



# Technical rubber items

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## Spinning aprons

The Chiorino spinning aprons are made of synthetic antistatic rubber and are manufactured on extremely automated lines capable of ensuring very high quality standards.

They are composed of two outside elastomer layers and of a spiral-shaped textile insert with exceptional resistance.

### Benefits

- **Great uniformity in spinning**
- **Very good resistance to wear, spinning oils and cracking caused by ozone.**



## Cots for pressure rollers

The Chiorino range of rubber cots has kept up with the technological evolution of the textile machinery, regarding both innovative spinning systems and development of the quality and count of fibres processed.

### Benefits

- **Total absence of winding**
- **Highly conductive surface, which can be ground to a mirror-finish**
- **Excellent fibre control, thanks to elasticity and permanent friction**
- **Perfect seal thanks to various types of available reinforcement and direct vulcanization.**



## Coverings for expanding rollers

Products featuring exclusive CHIORINO technology, they provide the basic component of the expanding units with rotating bending rollers.

They are particularly performing in the finishing machines and tissue control.

### Benefits

- **Exceptionally high resistance to wear**
- **Maintenance of surface friction through time, even in presence of chemical and physical agents**
- **Different ranges of types and structures allowing use on any machine with any type of material.**

Type	Outer / inner colour	Characteristics and applications
T/E	light green / anthracite	Wide bottom apron for NSC spinning frames.
LB	dark green / black	For special processing (linen and jute for example). Especially recommended as single bottom apron.
X46	light green / anthracite	All-rubber wide apron suitable for control assembly on NSC finishers.

Type	Colour	Hardness Sh.A	Characteristics and applications
T70	brick	67	Good elastic regeneration. Good antistatic value.
C83	grey	80	For spinning, drawing, finishers and wool drawing frames with high pressures.
SA80	black	80	Wear- and cut-resistant for linen wet-spinning.

Executions	
<b>Standard</b>	All rubber. To be fitted with adhesive.
<b>"AB" Auto-Block</b>	Core in metal alloy suitable for fitting without adhesive on rollers with tolerance range +0 -0,01 mm.
<b>"RR" Rubber Reinforcement</b>	With ebonite cushion. Can be fitted without adhesive to work with low loads.
<b>"SB" Self-Block</b>	Ebonite cushion with thin spiral-shaped textile reinforcement. Suitable for fitting without adhesive.
<b>"V" Vulcanized</b>	Vulcanized rubber directly onto the metal or plastic roller.

Finish	
<b>Rough-textured</b>	Rough external surface with extra thickness, to obtain the required diameter after grinding.
<b>Ground</b>	Smooth surface and external diameter already to size.

Type	Colour	Hardness Sh.A	Temp. res. °C min. max	Characteristics and applications
AL/H 60	brown	55	-10 +130	Excellent resistance to natural and synthetic oils and fats. Good resistance to alcohols.
AL/N 60	black	60	-10 +130	Excellent resistance to natural and synthetic oils and fats. Good resistance to acid and basic solutions at room temperature.
AL/NP 70	black	70	-10 +100	Good resistance to ozone and alcohols. Good mechanical properties. Suitable for expanding rollers that handle plastic films and paper.
AL/E 60	black	60	-35 +140	Good resistance to acids, alkalics and hydrogen peroxide even in highly concentrated solutions and at high temperatures.
AL/X 70	black	70	0 +130	Excellent resistance to abrasion. Used for expanding rollers that process paper and abrasive materials.

Executions and finish	
<b>Standard:</b> all rubber.	
<b>"RF":</b> cushion in wear-resistant rubber, with polyester cord reinforcement. Recommended for large rollers.	
<b>Finish:</b> finely-ground smooth surface.	

# Technical rubber items

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## Texturizing aprons

Aprons produced for processing of continuous filament synthetic fibres on drawing frames, twisters, draw-twistors, texturizers and draw-texturing machines. Purposely designed for the heavy loads of the apron-holder units and for accidental overloading.

### Benefits

- Great uniformity in spinning
- Very good resistance to wear
- Double elastomer layer with special chiorino spiral-shaped textile insert particularly suitable for high speed, it is not subject to vertical or transversal vibrations
- High load at break.



## Texturizing cots

Cots produced for processing of continuous filament synthetic fibres on drawing frames, twisters, draw-twistors, texturizers and draw-texturing machines.

### Benefits

- High coefficient of friction
- Resistance to spinning oils
- Very good wear-resistance with heat, even after a long running period
- Good antistaticity
- High resistance to aging and cracking.



## Condenser rub aprons

Produced using highly specialized technology and materials, the CHIORINO condenser rub aprons are appreciated all over the world thanks to their unique qualities.

### Benefits

- Excellent rubbing
- High carcass resistance
- Very good resistance to spinning oils
- Long life: they work on any type of condenser and with any type of fibre.



Type	Outer / inner colour	Characteristics
X74	green / anthracite	Perfect ratio of the friction coefficients. Utmost resistance to abrasion and swelling.
Y9	yellow /anthracite	Ultra-high resistance to abrasion even under hot conditions. Long life.

Type	Colour	Hardness Sh.A	Characteristics
T70	brick	67	Good elastic regeneration. Good antistatic value.

Executions	
<b>Standard</b>	All rubber. To be fitted with adhesive.
<b>"RR" Rubber Reinforcement</b>	With ebonite cushion. Can be fitted without adhesive to work with low loads.
<b>"SB" Self-Block</b>	Ebonite cushion with thin spiral-shaped textile reinforcement. Suitable for fitting without adhesive.
<b>"V" Vulcanized</b>	Rubber vulcanized directly on metal roller. Special CHIORINO system suitable for high-temperature applications and high peripheral speeds (over 1500 m/min). Can be also supplied on metal or plastic shells, already rubberized, ground and balanced.

Finish	
<b>Rough-textured</b>	Rough external surface with extra thickness, to obtain the required diameter after grinding.
<b>Ground</b>	Smooth surface and external diameter already to size.

Type	Colour	Characteristics and applications
H	brownish red	For all fibres, also light-colour ones.
N	black	For heavy-duty. Not recommended for light colours. With extra-fine grooving can be used for fibres replacing abbestos.
X874	brown	Special type, suitable where high resistance to wear is required.

Finish	
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Ends	
• <b>Standard:</b>	recessed by about 1 mm in the button area. Rivets embedded.
• <b>On request:</b>	not embedded rivets and recessed ends.

Buttons	
• <b>Standard:</b>	made of impact-proof polyamide with rounded edges (ø 18 mm, h 9 mm, pitch approx. 40 mm).
• <b>On request:</b>	smaller buttons recommended for condenser with small diameter rollers (12 mm, h 6 mm, pitch approx 35 mm).

Grooving	Grooves/dm	Applications	Type	Width (mm)	Depth (mm)
			a	1,0	0,8
• <b>Standard:</b>	20 grooves/dm with "b" groove type.	For all types	b	1,2	0,9
• <b>On request:</b>	number of grooves and groove type according to the table on the right. Aprons with smooth finish can be supplied on request.		c	1,5	1,0
			f	0,7	0,9
			z	0,8	0,7

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