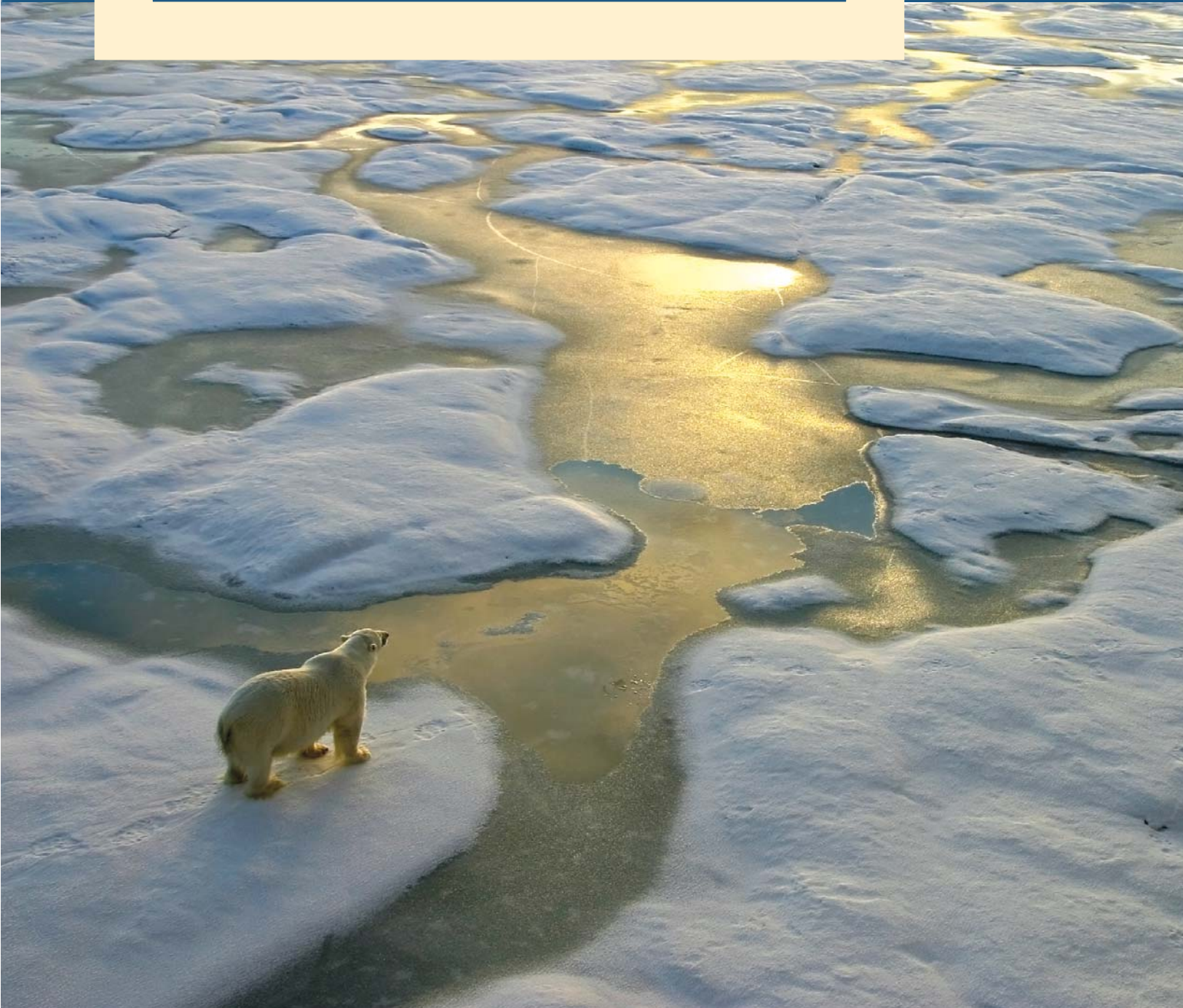


transtex belting

polarflex™

go with the flow - low temperature belting
with added abrasion



Transtex – lightweight rubber & pvc

forbo

MOVEMENT SYSTEMS

polarflex™

Lightweight Conveyor Belting (Forbo-Transtex) is pleased to introduce **polarflex™**, our latest innovation for abrasive applications where low temperatures are present.

polarflex™ offers the capability of going as low as -40°F while offering top cover abrasion resistance better than Grade II rubbers (Din rating of 105-110).

These capabilities make **polarflex™** the preferred solution for the toughest applications in the Agriculture, Metals/Recycling, and Grain industries. Apart from our initial product offering, **polarflex™** technology can be applied to virtually all of our standard interwoven, plied, and non-woven belt constructions. In addition to an almost endless number of smooth cover configurations, most standard cover impressions are available in **polarflex™** as well.

Another feature of the **polarflex™** compound is that its thermoplastic nature makes it very conducive to fabrication and other value-added operations using common thermoplastic procedures.

So if your main application concerns involve cold temperatures or highly abrasive conditions, then Forbo-Transtex **polarflex™** is the belt for you.

Features	Benefits
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Low temperature range	<ul style="list-style-type: none"> -40° F, ability to work in the coldest of temperatures
Abrasion	<ul style="list-style-type: none"> More abrasion resistance than Grade II rubber
Interwoven or plied constructions	<ul style="list-style-type: none"> Excellent rip and tear resistant, better tracking, more splicing and fabrication possibilities
Maintains flexibility	<ul style="list-style-type: none"> Able to go around small pulleys, bends, and crowned pulleys, even at the lowest of temperatures
Many cover configurations to handle the applications	<ul style="list-style-type: none"> Crescent Top, Chevron Top I & II, smooth top cover — incline/decline, horizontal
Usage indoors/outdoors	<ul style="list-style-type: none"> Ability to perform in the coldest of temperatures (-40° F) and in high temperatures up to 180° F
Identifying blue cover	<ul style="list-style-type: none"> Blue the standard for abrasive type conditions as well as the coldest conditions
Ability to fabricate with cleats and guides	<ul style="list-style-type: none"> Thermoplastic formulation allows ease of fabrication using common thermoplastic procedures
Abrasion	<ul style="list-style-type: none"> Longer belt life in abrasive, harsh, cold temperature applications

Applications

Tubeveyors
Feed Lots
Cold storage areas
Harvesters
Abrasive applications
Grain and feed

Industries Served:

Agriculture
Metals/Recycling
General Applications
Feed/Seed/Grain

PRODUCT SPECIFICATIONS

Product Specification:	PF 120 LT AR CTXF-NA BLUE	PF 120 LT AR CTXB-NA BLUE	PVC 200 LT AR CXF-NA BLUE	PF 120 LT AR CXC-NA BLUE	PF 120 LT AR CXB-NA BLUE	PVC 200 LT AR CXB-NA BLUE	PF 120 LT AR O/M CXC BLUE	PF 120 LT AR CVTXB-NA BLUE	PF 120 LT AR CXB-NA BLUE FR	PF 200 LT AR CTXB-NA BLUE
Transtex Product Code:	908010	908753	908758	908768	908772	908773	908779	908791	908906	908909
Color:	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
Nominal Overall Gauge inches:	0.240 +/- 0.01	0.240 +/- 0.01	0.200 +/- 0.01	0.160 +/- 0.01	0.132 +/- 0.01	0.200 +/- 0.01	0.160 +/- 0.01	0.240 +/- 0.01	0.132 +/- 0.01	0.305 +/- 0.01
mm:	6.1 +/- 0.25	6.1 +/- 0.25	5.1 +/- 0.25	4.0 +/- 0.25	3.35 +/- 0.25	5.1 +/- 0.25	4.0 +/- 0.25	6.1 +/- 0.25	3.35 +/- 0.25	7.6 +/- 0.25
Nominal Weight, in lbs/ft²:	0.85 +/- 10%	0.85 +/- 10%	1.3 +/- 10%	1.0 +/- 10%	0.85 +/- 10%	1.3 +/- 10%	1.0 +/- 10%	0.85 +/- 10%	0.85 +/- 10%	1.3 +/- 10%
in kg/m²:	4.1 +/- 10%	4.1 +/- 10%	6.3 +/- 10%	4.9 +/- 10%	4.1 +/- 10%	6.3 +/- 10%	4.9 +/- 10%	4.1 +/- 10%	4.1 +/- 10%	6.3 +/- 10%
Rated Working Tension:	120 lbs./in. / 21 N/mm. @ 1.5%	120 lbs./in. / 21 N/mm. @ 1.5%	200 lbs./in. / 35 N/mm. @ 1.5%	120 lbs./in. / 21 N/mm. @ 1.5%	120 lbs./in. / 21 N/mm. @ 1.5%	200 lbs./in. / 35 N/mm. @ 1.5%	120 lbs./in. / 21 N/mm. @ 1.5%	120 lbs./in. / 21 N/mm. @ 1.5%	120 lbs./in. / 21 N/mm. @ 1.5%	200 lbs./in. / 35 N/mm. @ 1.5%
Top Cover Surface:	Crescent top PVC	Crescent top PVC	Smooth PVC	Smooth PVC	Smooth PVC	Smooth PVC	Smooth PVC	Chevron Top PVC	Smooth PVC	Crescent Top PVC
Bottom Cover Surface:	Friction	Brushed	Friction	Smooth	Brushed	Brushed	Smooth	Brushed	Brushed	Brushed
Minimum Pulley Diameter:	2 inches / 51 mm.	2 inches / 51 mm.	4 inches / 102 mm.	2 inches / 51 mm.	2 inches / 51 mm.	4 inches / 102 mm.	2 inches / 51 mm.	2 inches / 51 mm.	2 inches / 51 mm.	4 inches / 102 mm.
Temperature Range:	-40° to 180° F. / -40° to 82° C	-40° to 180° F. / -40° to 82° C	-40° to 180° F. / -40° to 82° C	-40° to 180° F. / -40° to 82° C	-40° to 180° F. / -40° to 82° C	-40° to 180° F. / -40° to 82° C	-40° to 180° F. / -40° to 82° C	-40° to 180° F. / -40° to 82° C	-40° to 180° F. / -40° to 82° C	-40° to 180° F. / -40° to 82° C
Transverse Rigidity:	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Special Standards:	Rated low temperature to -40° F / C. Premium abrasion resistant cover.	Rated low temperature to -40° F / C. Premium abrasion resistant cover.	Rated low temperature to -40° F / C. Premium abrasion resistant covers.	Rated low temperature to -40° F / C. Premium abrasion resistant covers.	Rated low temperature to -40° F / C. Premium abrasion resistant covers.	Rated low temperature to -40° F / C. Premium abrasion resistant covers.	Rated low temperature to -40° F / C. Premium abrasion resistant covers.	Rated low temperature to -40° F / C. Premium abrasion resistant covers. Fire resistant to MSHA 2G static conductive to OSHA 29 CFR.	Rated low temperature to -40° F / C. Premium abrasion resistant covers.	Rated low temperature to -40° F / C. Premium abrasion resistant covers. Fire resistant to MSHA 2G/ASTM D378.
Cover Coefficient of Friction, Steel:	1.3 nominal	1.3 nominal	0.8, nominal	0.83, nominal	0.8, nominal	0.8, nominal	0.83, nominal	1.3, nominal	0.8, nominal	1.3, nominal
Bottom Coefficient of Friction, Steel:	0.8 nominal	0.4 nominal	0.8, nominal	0.83, nominal	0.4, nominal	0.4, nominal	0.83, nominal	0.4, nominal	0.4, nominal	0.4, nominal
Production Width(s):	72 inches / 1829 mm.	72 inches / 1829 mm.	72 inches / 1829 mm.	72 inches / 1829 mm.	72 inches / 1829 mm.	72 inches / 1829 mm.	72 inches / 1829 mm.	72 inches / 1829 mm.	72 inches / 1829 mm.	72 inches / 1829 mm.
Typical Applications:	Incline applications requiring cold temperature flexibility and/or high abrasion resistance	Incline applications requiring cold temperature flexibility and/or high abrasion resistance	Applications requiring low temperature flexibility and/or high abrasion resistance	Live roller applications requiring cold temperature flexibility and/or high abrasion resistance	Applications requiring low temperature flexibility and/or high abrasion resistance	Applications requiring low temperature flexibility and/or high abrasion resistance	Live roller applications requiring cold temperature flexibility and/or high abrasion resistance	Incline applications requiring cold temperature flexibility and/or high abrasion resistance	Applications requiring low temperature flexibility and/or high abrasion resistance	Incline applications requiring cold temperature flexibility and/or high abrasion resistance



LIGHTWEIGHT BELT DESCRIPTION LEGEND

BELT WIDTH
72"

BELT COVER COLOR
BLUE

BELT STYLE
PF

**WORKING TENSION/
FABRIC STYLE**
120

BELT COMPOUND
LT AR

TOP X BOTTOM
CxB

BELT STYLE

- FTP™ = Plied
- GT = GlideTop®
- IS = Industry Standard
- PF = PolarFlex®
- PHR® = Package Handling Rubber
- PRL = Light/Medium-weight Synthetic
- PVC = Interwoven
- PVK™ = Package Handling PVC
- QB® = SilentPartner®
- QBR = Rubber SilentPartner®
- Unicleat® = Rubber Cleated Product
- Utility = General Purpose Plied Rubber

WORKING TENSION / FABRIC STYLE OF THE BELT (- # OF PLYS)

- MF = Monofilament Fabric
- NMF = Nylon Monofilament
- PH = Package Handling Fabric
- PS = Postal Specification Fabric
- SMF = Spun Monofilament Fabric
- SP = Spun Polyester Fabric
- TW = Twill Weave Fabric

BELT COMPOUND

- AR = Abrasion Resistant
- Carbox = Carboxylated Nitrile
- CG = Cannerns Grade PVC
- FR = Fire Retardant, ASTM D-378
- Grade I = Premium Abrasion/cut resistant Rubber
- Grade II = Abrasion resistant Rubber
- HI = High Incline
- ISO 340 = Fire Retardant, Self Extinguishing
- LT = Low Temp PVC
- MOR = Moderate Oil Resistance
- Nitrile = Oil resistant
- NOMA = Non-Marking Synthetic Rubber
- NR = Natural Rubber
- O/M = OSHA/MSHA, FR
- OFR = Oil and Fat Resistant
- ORG = OSHA/MSHA Premium Oil Resistant for Grain
- P = Standard PVC, No FR
- Petro UV = Petroleum Ultra Violet Resistant
- PU = Polyurethane
- Pure Gum = Pure Gum Natural Rubber
- SBR = Industrial grade Synthetic Rubber
- SOR = Super Oil and Fat Resistant

TOP X BOTTOM

- 3/64 LI = 3/64" cover
- Light Impression
- B = Brush
- BB = Bare Back
- C = Cover
- CT = Crescent Top®
- CVT1 = Chevron Top (close pattern)
- CVT2 = Chevron Top (standard)
- DI = Diamond Impression
- F = Friction
- FC = FoodCline®
- HRT = Half-Roughtop
- HC = Heavy Cover
- HM = Heavy Matte Finish
- LF = Low Friction
- LI = Light Impression
- LR = Longitudinal Rib
- MRT = Mini-Roughtop
- MSK = Mini-Skim
- RGT = Ridge Top
- RT = Roughtop
- SAT = Sateen Impression
- ST = Stucco Top®
- UB = Urethane Bare

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MOVEMENT SYSTEMS

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