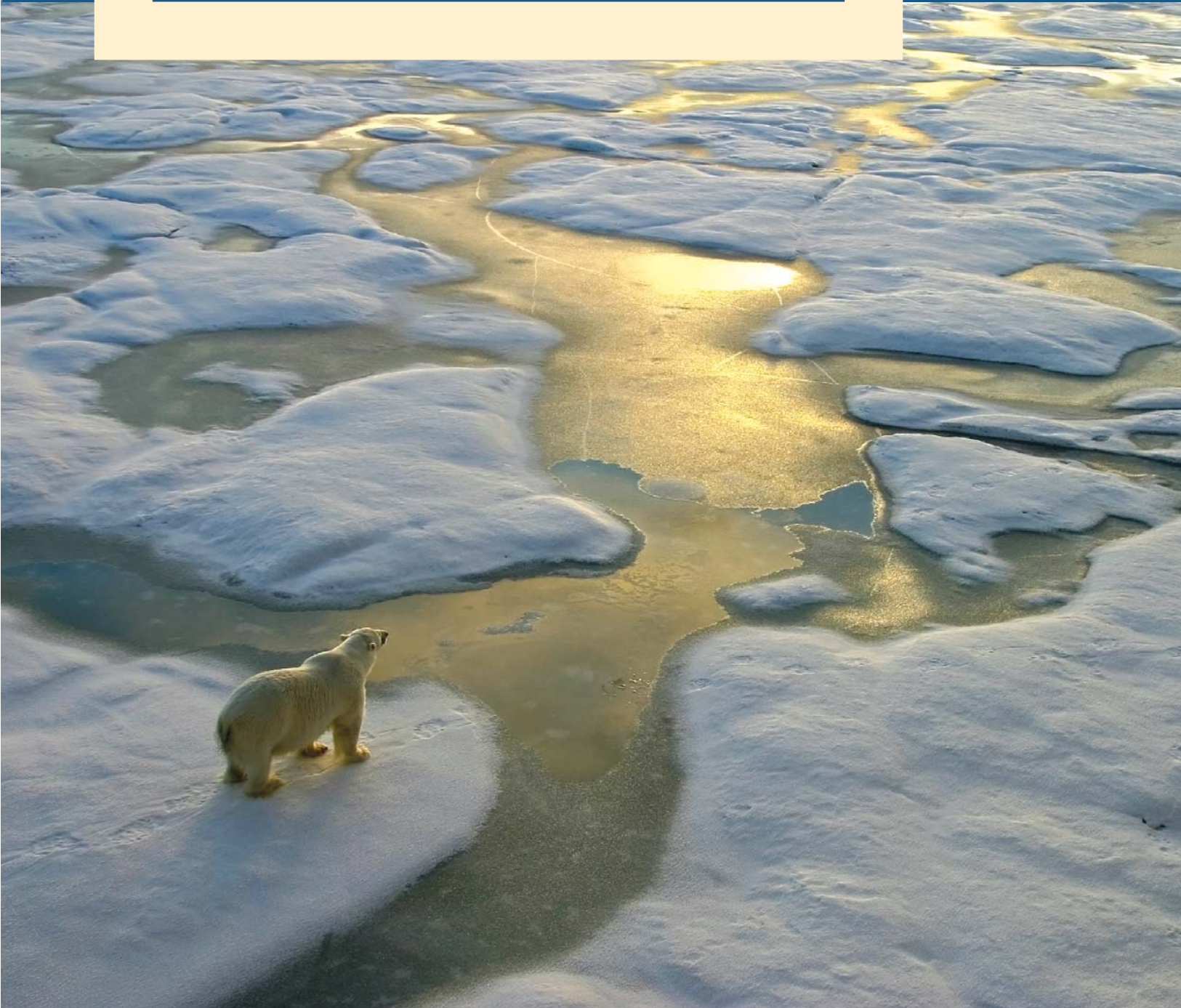


transtex belting

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, Food, 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
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	Industries Served:
Tubeveyors	Agriculture
Feed Lots	Food/Food Processing
Cold storage areas	Metals/Recycling
Harvesters	General Applications
Abrasive applications	Feed/Seed/Grain
Grain and feed	



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: mm:	0.240 +/- 0.01 6.1 +/- 0.25	0.240 +/- 0.01 6.1 +/- 0.25	0.200 +/- 0.01 5.1 +/- 0.25	0.160 +/- 0.01 4.0 +/- 0.25	0.132 +/- 0.01 3.35 +/- 0.25	0.200 +/- 0.01 5.1 +/- 0.25	0.160 +/- 0.01 4.0 +/- 0.25	0.240 +/- 0.01 6.1 +/- 0.25	0.132 +/- 0.01 3.35 +/- 0.25	0.305 +/- 0.01 7.6 +/- 0.25
Nominal Weight, in lbs/ft²: in kg/m²:	0.85 +/- 10% 4.1 +/- 10%	0.85 +/- 10% 4.1 +/- 10%	1.3 +/- 10% 6.3 +/- 10%	1.0 +/- 10% 4.9 +/- 10%	0.85 +/- 10% 4.1 +/- 10%	1.3 +/- 10% 6.3 +/- 10%	1.0 +/- 10% 4.9 +/- 10%	0.85 +/- 10% 4.1 +/- 10%	0.85 +/- 10% 4.1 +/- 10%	1.3 +/- 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 80° 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. 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.	Rated low temperature to –40° F / C. Premium abrasion resistant cover.
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 Cx B
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 = Cannons 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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