



transtex belting

conveyor belts

polarflex®

GO WITH THE FLOW - ADDED ABRASION WITH
LOW TEMPERATURE BELTING

transtex® - lightweight rubber & pvc



MOVEMENT SYSTEMS

polarflex®

Lightweight conveyor belting (Transtex Belting) 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 |
|--|--|
| Low temperature range | • -40° F, ability to work in the coldest of temperatures |
| Abrasion | • More abrasion resistance than Grade II rubber |
| Interwoven | • Excellent rip and tear resistant, better tracking, more splicing and fabrication possibilities |
| Maintains flexibility | • Able to go around small pulleys, bends, and crowned pulleys, even at the lowest of temperatures |
| Many cover configurations to handle the applications | • Crescent Top, Chevron, smooth top cover — incline/decline, horizontal |
| Usage indoors/outdoors | • Ability to perform in the coldest of temperatures (-40° F) and in high temperatures up to 180° F |
| Identifying blue cover | • Blue the standard for abrasive type conditions as well as the coldest conditions |
| Ability to fabricate with cleats and guides | • Thermoplastic formulation allows ease of fabrication using common thermoplastic procedures |
| Abrasion | • Longer belt life in abrasive, harsh, cold temperature applications |

Applications:

Tubeveyors
Feed Lots
Cold storage areas
Harvesters
Abrasive applications
Grain and feed
Food conveying * 908921 and 908922

Industries Served:

Agriculture
Metals/Recycling
General Applications
Feed/Seed/Grain
Food * 908921 and 908922

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 CXB-NA BLUE | PF 120 LT AR CVTXB-NA BLUE | PF120 LT AR OFR CXF-NA BLUE FDA | PF200 LT AR OFR CxX-NA BLUE FDA | PF300 LT AR CxB-NA BLUE |
|---|--|--|--|--|--|--|--|---|
| Transtex Product Code: | 908010 | 908753 | 908758 | 908772 | 908791 | 908921 | 908922 | 908774 |
| Color: | 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 | 0.132 +/- 0.01 3.35 +/- 0.25 | 0.240 +/- 0.01 6.1 +/- 0.25 | 0.132 +/- 0.01 3.35 +/- 0.25 | 0.200 +/- 0.01 5.1 +/- 0.25 | 0.22 +/- 0.01 5.6 +/- 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% | 0.85 +/- 10% 4.1 +/- 10% | 0.85 +/- 10% 4.1 +/- 10% | 0.85 +/- 10% 4.1 +/- 10% | 1.3 +/- 10% 6.3 +/- 10% | 1.4 +/- 10% 6.8 +/- 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% | 120 lbs./in. / 21 N/mm. @ 2% | 200 lbs./in. / 35 N/mm. @ 2% | 300 lbs./in. / 53 N/mm. @ 2% |
| Top Cover Surface: | Crescent top PVC | Crescent top PVC | Smooth PVC | Smooth PVC | Chevron Top PVC | Smooth PVC | Smooth PVC | Smooth PVC |
| Bottom Cover Surface: | Friction | Brushed | Friction | Brushed | Brushed | Friction | Friction | Brushed |
| Minimum Pulley Diameter: | 2 inches / 51 mm. | 2 inches / 51 mm. | 4 inches / 102 mm. | 2 inches / 51 mm. | 2 inches / 51 mm. | 2.5 inches / 64 mm. | 5 inches / 126 mm. | 7 inches / 178 mm. |
| Temperature Range: | -40° to 180° F / -4° to 82° C | -40° to 180° F / -4° to 82° C | -40° to 180° F / -4° to 82° C | -40° to 180° F / -4° to 82° C | -40° to 180° F / -4° to 82° C | -40° to 180° F / -4° to 82° C | -40° to 180° F / -4° 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 |
| 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. |
| Cover Coefficient of Friction, Steel: | 1.3 nominal | 1.3 nominal | 0.8, nominal | 0.8, nominal | 1.3, nominal | 0.8, nominal | 0.8, nominal | 0.35, nominal |
| Bottom Coefficient of Friction, Steel: | 0.8 nominal | 0.4 nominal | 0.8, nominal | 0.4, nominal | 0.4, nominal | 0.8, nominal | 0.8, nominal | 0.8, 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. |
| Typical Applications: | Incline applications requiring low temperature flexibility and/or high abrasion resistance | Incline applications requiring low 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 | Incline applications requiring low temperature flexibility and/or high abrasion resistance | Horizontal conveying at very low temperatures; processing of food where animal fats are present. Can be used on wrapped or unwrapped food. | Horizontal conveying at very low temperatures; processing of food where animal fats are present. Can be used on wrapped or unwrapped food. | Horizontal conveying at very low temperatures; Waste conveyor, recycling conveyor |



Forbo Movement Systems

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Forbo Movement Systems is part of the Forbo Group,
a global leader in flooring, bonding and movement systems.

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