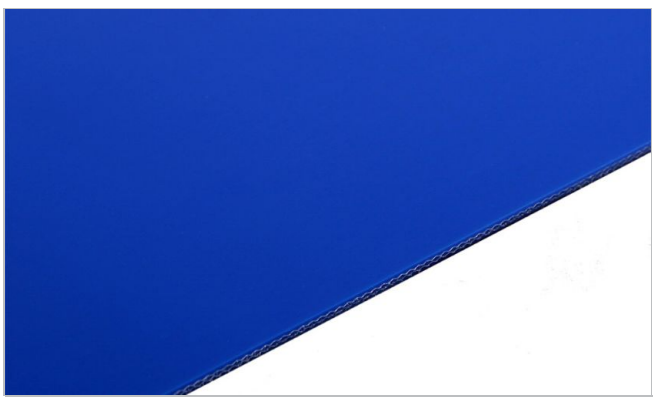
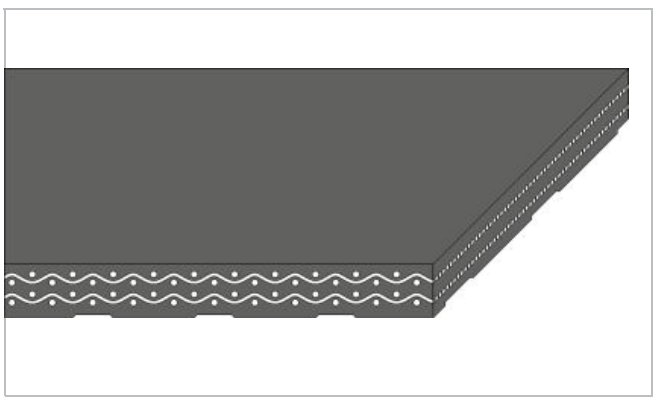
Food Belts
FNB-12EVCQ-P1

Main industry segments
Fruit, Poultry, Red meat, Vegetables

Applications
Food processing/conveying belt

Special features
Abrasion resistant on both sides, Easy cleanability, High hydrolysis resistant, High temperature resistant, Low friction running side, Reverse side coated





Product Construction / Design	
Conveying side material	Thermoplastic polyurethane (TPU)
Conveying side surface	Matt
Conveying side property	Medium-adhesive
Conveying side color	Cobalt blue
Traction layer (material)	Polyester (PET)
Number of Fabrics	2
Pulley side material	Thermoplastic polyurethane (TPU)
Pulley side surface	Quadrillé (quadrangular) structure
Pulley side property	Medium-adhesive
Pulley side color	Cobalt blue

Product characteristics	
Antistatically equipped	No
Adhesive free joining method	Ja
Flammability	No specific flammability prevention property
Food suitability, FDA conformance	Yes - Check Document of Compliance (DoC) in our Portal
Food suitability, USDA recommendations	USDA certified for compliance with USDA Dairy Equipment Guidelines and NSF/ANSI/3-A 14159-3 standard for Meat and Poultry Processing. Certification is valid only if belt edges are sealed or belt cords are not exposed and when optional belt accessories like cleats, v-guides and scoops comply with the applicable FDA regulations for the conveyed product. Contact your Habasit representative for detailed information.
Food suitability, EU conformance	Yes - Check Document of Compliance (DoC) in our Portal
Halal certified	Yes

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Technical data				
Thickness of belt	2.2	mm	*0.087*	*tommer*
Mass of belt (belt weight)	2.4	kg/m²	*0.492*	*lb/sqft*
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	10	N/mm	*57*	*lbf/in*
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	7.0	N/mm	*40*	*lbf/in*
Min. operating temperature admissible (continuous)	-30	°C	*-22*	*°F*
Max. operating temperature admissible (continuous)	110	°C	*230*	*°F*
Coefficient of friction (pulley side / steel driving pulley)	0.50	-		
Coefficient of friction (pulley side / driving pulley with friction cover)	0.50	-		
Coefficient of friction (pulley side / pickled steel slider bed)	0.55	-		
Coefficient of friction (pulley side / phenolic resin slider bed)	0.55	-		
Coefficient of friction (pulley side / stainless steel slider bed)	0.80	-		
Seamless manufacturing width	2400	mm	*94.49*	*tommer*

Joining related properties

Joining method	
Flexproof 20 x 80	Master joining method for standard applications

Link to JDS:

Joining method		Flexproof 20 x 80
Pulley diameter (minimum)	mm *tommer*	20 *0.79*
Pulley diameter minimum with counter flection	mm *tommer*	25 *0.98*
Admissible tensile force per unit of width	N/mm *lbf/in*	17 *97*
Admissible tensile force per unit of width at max. operating temperature	N/mm *lbf/in*	2.0 *11*
Slider bed suitable		Yes
Carrying rollers suitable		Yes
Troughed installation suitable		No
Powerturns / curved installations		No
Knife-edge (nosebar) suitable		No
Low noise applications		No
Designed for metal detector transparency		Yes

All data are approximate values under standard climatic conditions: 23°C/73°F, 50% relative humidity (DIN 50005/ISO 554). Limited representative testing based on a standard configuration is carried out to estimate minimum pulley diameters. Please contact Habasit for specific guidance regarding non-standard applications, including, but not exclusively, when profiles or cleats are used, or if the belt working temperature is close to the limits listed in this document.

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Chemical resistance
Link til informasjon om kemisk resistens https:/rims.habasit.com

Mode of use or conveyance
Horizontal

Calculations
For most applications calculation is not required. Should you still need a calculation: please ask Habasit.

Recommendation
Do not go below initial elongation (epsilon) ~ 0.3%, Install the slack belt and tension until running perfectly under the full belt load

Store spare belts in a cool and dry place and if possible in their original packaging. Protect spare belts from sunlight/UV-radiation/dust/dirt! Check Link for Storage requirements:
"https://tdm.habasit.com/pds/en-us/Storage%20of%20Habasit%20material.pdf"

This product has not been tested according to ATEX standards (atmospheres with explosion risk - ATEX 95 regulation or EU directive 2014/34/EU) and therefore is subject to user's analysis in the respective environment

Group	TPU Belts Hydrolysis Resistant Belts
Del nummer	H950042307

Ansvarsfraskrivelse
Ansvarsfraskrivelse for produktanvendelse (gælder for ALLE Habasit produkter og nævnt på alle produktdatablade)
Denne ansvarsfraskrivelse gælder for Habasit og firmaer, som er tilknyttet os, samt vores chefer, ansatte, agenter og entreprenører (herefter fælles benævnt HABASIT) for de produkter som omfattes af denne tekst (herefter benævnt produkter). SIKKERHEDSADVARSLER SKAL LÆSES OMHYGGELIGT OG ALLE ANBEFALEDE SIKKERHEDSFORSKRIFTER SKAL FØLGES STRENGT! Følg advarslerne som findes i dette dokument, i Habasits kataloger og i installationsanvisninger og håndbøger. Alle indikationer og al information om applicering, anvendelse og ydelse af produktet er anbefalinger, som kan anses for værende pålidelige, men de er ingen fremstilling, garanti eller ansvarsforpligtigelse med hensyn til fuldstændighed, tolerancer eller egnethed til et bestemt formål. Denne information bygger på laboratoriearbejde med mindre testudstyr, kørt ved normaldrift, hvilket indebærer at den ikke nødvendigvis matcher produktydelsen ved industriel anvendelse. Ny viden og erfaring kan medføre modificeringer og ændringer inden for en kort periode og uden forudgående varsel.
DISSE PRODUKTER OMFATTES AF HABASITS UDTRYKTE GARANTI, SOM ER DEN ENESTE GÆLDENDE GARANTI OG ERSTATTER ALLE ANDRE EVENTUELLE GARANTIER, UDTRYKTE ELLER UNDERFORSTÅEDE. HABASIT FRASKRIVER SIG ALT ANSVAR FOR ALLE ANDRE GARANTIER, UDTRYKTE ELLER UNDERFORSTÅEDE, INKLUSIVE, DOG UDEN AT BEGRÆNSES DERTIL, UNDERFORSTÅEDE GARANTIER OM SALGBARHED, EGNETHED TIL ET BESTEMT FORMÅL, AT PRODUKTERNE IKKE STRIDER MOD NOGLE REGLER, SAMT GARANTIER SOM FØLGE AF AFTALE, ANVENDELSE ELLER HANDEL. DETTE FORBEHOLD GÆLDER I DEN UDSTRÆKNING SOM LOVEN TILLADER. DA FORUDSÆTNINGERNE FOR ANVENDELSE ER UDEN FOR HABASITS KONTROL, KAN VI IKKE TAGE NOGET ANSVAR FOR DE NÆVNTE PRODUKTERS EGNETHED ELLER PROCESTILPASNING. DETTE FORBEHOLD GÆLDER OGSÅ FOR INDIKATIONER FRA PROCESRESULTATER OG OUTPUT.