



**Joint Stock Company
"Grodno Azot"
Production & Technological Complex
"Khimvolokno"**

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MFO 153001369

УНП 500036524
UNP 500036524

**Открытое акционерное общество
"Гродно Азот"
Производственно-технологический комплекс
"Химволокно"**

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ОАО "БПС-Сбербанк", г. Гродно
МФО 153001369

Ref. No. _____ 2012
To Ref. No. _____ dd. _____

Dear Sirs!

PTC "Khimvolokno" JSC "Grodno Azot" is the most updated manufacturer of polyamide and polyester cord fabric, polyamide yarns and fibers, virgin PA 6 and composite materials based on them, polyester HMLS yarns in CIS.

It is the first enterprise in CIS that started production of polyamide high-tenacity yarn and the first received the certificate of quality system conformity to the requirements of International Standard ISO 9001 in field of chemical fibers production.

Current technical upgrading, purchasing and start-up the equipment of leading manufacturers such as "Zimmer", "Barmag", "Marubeni-TMT", installation of modern high-technology equipment for winding and weaving gives us an opportunity to produce high-tenacity seamless cord fabrics of different types. The process of cord fabric homologation has been successfully finished at many large enterprises concerning to tire production. Line for cord fabric dipping and processing of Benninger Company is put into operation and successfully running. For more detailed information about our enterprises please visit our website: www.grodno-khim.by

We offer the polyamide cord fabric at price as follows:

- polyamide dipped fabric (customs tariff code 5902101000) – Euro 3,2-3,5 kg, FCA Grodno; Euro 3,32-3,62 kg, CFR Djakarta port, depending on fabric type, payment terms – 100% prepayment.
- polyamide greige fabric (customs tariff code 5902109000) – Euro 3,00-3,25 kg, FCA Grodno; Euro 3,12-3,37 kg, CFR Djakarta port, depending on fabric type, payment terms – 100% prepayment.

Capacity in 40-foot container is 18 tons of cord fabric.

Specifications of polyamide fabric are attached.

In case of your interests, please contact us by phone number:
+375-152-514904 or by e-mail: market@grodno-khim.by



**Grodno Azot****KHIMVOLOKNO**

PRODUCTION AND TECHNOLOGICAL COMPLEX

**NYLON GREIGE CORD FABRIC**

It is used in tyre industry as reinforcing material for manufacturing pneumatic tyres

Cord fabric structure	1880x1x2	1400x1x2	940x1x2
Tensile strenght, N/(kgf), min	279,6 / 28,5	211,0 / 21,5	142,4 / 14,5
Elongation, % - at 4,5 kg -at 9,1 kg -at break	9,1±1,0 13,7±1,3 32,0±3,5	10,0±1,5 12,5±1,5 (at 6,8kg) 31,5±3,5	12,5±1,5 31,5±3,5
Twists per meter: -single twist -cord twist	335±12(Z) 335±12(S)	395±15(Z) 395±15(S)	470±15(Z) 470±15(S)
Heat resistance, %, min	90		
Width of cord fabric, cm	as on agreement		
Total count of cords per 10 cm: -by warp -by weft	as on agreement		
Roll diameter	max 2m		

PACKING

Cardboard circles are put on roll edges, fabric roll is wrapped with paper with laps on roll edges then stretch foiled. Then fiberboard circles of a diameter corresponding to a roll dimensions are put on roll edges.

Further a roll is wrapped with 0,9 mm cardboard, stretch foiled and strapped. 100-120 µm polyethylene foil blanks are put onto the roll edges. These blanks are mounted so that a lap over the roll makes 200-300 mm; film edges on the roll and on the shell are fixed with adhesive tape. Then a roll is wrapped with 2 layers of stretch foil. For convenience of stretch foil layers unwrapping a cord yarn is put under the foil.

TRANSPORTATION

Cord fabric is carried in 40' containers, boxcars and trucks

Please contact us:**Marketing & Sales Department**

Phone: +375 (152) 543308, 514904, 546820

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**Grodno Azot****KHIMVOLOKNO**

PRODUCTION AND TECHNOLOGICAL COMPLEX

**NYLON DIPPED CORD FABRIC****It is used in tyre industry as reinforcing material for manufacturing pneumatic tyres**

Cord fabric structure	1880x1x2	1440x1x2
Breaking strength, N/(kgf), min	290 (29,6)	201 (20,5)
Twist per 1 m		
Single twist	326±20	370±20
Cord twist	318±20	360±20
Elongation %		
at 20N	3,0±1,0	
at 39 N	6,0±1,0	
at break	23,0±2,0	
Hot air shrinkage at 160° C, 20 min, %, max	7,5 *	
Fabric width, cm	as on agreement	
Total number of ends per 10 cm by warp by weft	as on agreement	
Adhesion, N, min**	137	130
Dip pick up ,%	4,5±1,0	
Roll diameter	up to 2 m	
* If agreed with a customer other test methods and correspondingly other nominal values are admitted		
** For determination of the parameter rubber mixture of the customer is used. In case of any mixture change the value is a subject to be agreed between the supplier and the customer		

PACKING

Dipped cord fabric preliminarily wound on a shell is packed in the way as follows:

- a roll is wrapped up with foamed polyethylene of 3 mm thickness. Each roll end is put on with one cardboard circle with bags consisting moisture absorbing substance preliminarily fixed on it. Then a layer of polyethylene foil with hole for a shell is put after circle upon which each roll end is put on with fibreboard circle. A roll together with a shell is wrapped up with black polyethylene stretch-foil of 23 µm thickness and 15-25 revolutions of packing machine, wrapped with 2 layers of cardboard and is put on with a case of polypropylene industrial fabric.

TRANSPORTATION

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