



Адкрытае акцыянернае таварыства

Открытое акционерное общество

«НАФТАН»

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To the Head of the Company

JSC "Naftan", the plant "Polymir" (211441, Novopolotsk, Vitebsk region Republic of Belarus) makes a wide range of chemical products:

- high pressure polyethylene,
- acrylic fibers,
- organic synthesis products and specialties,
- hydrocarbon cuts,
- small volume chemicals

(all detailed information you can find on our web-site www.polymir.by).

Polymir products are used in various industries: cable production, plastic processing, packing production, carpet production, textile fabrics and knitwear, man-made fur, consumer chemicals, paper, etc. A number of organic compounds offered by Polymir can be used as a raw material for further synthesis of various specialty chemicals.

Plant "Polymir" constantly increases the quality of the products manufactured, that means the increase in the satisfaction of its customers. The awaited result of these activities was that in January of the year 2003 there was conducted the successful certification of quality management systems of the plants of low density polyethylene, polyacrylnitrile fibers and tow Nitron-D for the correspondence to the requirements of STB ISO 9002-96. In the year 2003 quality management system was re-certificated for the correspondence to the requirements of ISO standards of 9000 version of the year 2000. Thus, on the 14th of December of 2003 we received two certificates of correspondence in the national System of Certification of the Republic of Belarus (for the correspondence to the requirements of the standard STB ISO 9001-2001) and German Quality of Accreditation TGA (for the correspondence to the requirements of the standard STB ISO 9001:2000). The sphere of the certificates covers also the acrylic acid nitrile and methyl ether of acrylic acid. The plant Polymir of JSC Naftan had registered its products in accordance with the requirements of the Regulation of the European Parliament and Council (1907/2006 on Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)).

Low density polyethylene.

Polyethylene is made by free radical ethylene polymerization in tubular and autoclave reactors at 1600-2100 atm pressure. It is produced as base grades and compositions.

LDPE base grades: 10204-003, 10803-020, 15803-020, 12003-200, 11503-070, 17703-010:

- manufacture of film and film goods for food, medical, agricultural goods and reactants packing
- blow articles, pressure pipes
- injection molded small and large size, elongated profiles
- anti-corrosion coatings for apparatus and pipes in aggressive environments

Cable grades:

heat-stabilized: 102-02C, 107-02C;

heat and light stabilized: 102-10C, 107-10C;

flame-retardant: 107-61C, 158-281M.

- insulation of flexible and elastic cables for location, radiometric, telemechanical devices.

Code for LDPE – 3901109000.

JSC "Naftan" the plant "Polymir" sales LDPE monthly in the procedure of the choice among competitors for the right to conclude the contract for polyethylene delivery (the bidding).

Acrylic fibers.

Production processes: acrylonitrile and comonomer polymerisation using dimethylformamide, SNIA BPD process, Italy – brand name - NITRON-D (code for acrylic tow – 5501300000, code for acrylic fiber – 5503300000)

Acrylic fibers can be used as produced, as well as blended with synthetic, man-made and natural fibers. Applications: yarn, fabrics, curtaining, upholstery, knitwear, synthetic fur, carpets, technical products, carbon fibers.

Technical characteristics of acrylic fibers on our website.

JSC "Naftan" the plant "Polymir" sales acrylic fiber monthly in the procedure of the choice among competitors for the right to conclude the contract for acrylic fiber delivery (the bidding).

Organic synthesis products

Propylene made of gasoline is a raw material for organic synthesis used to produce acrylonitrile, acetonecyanohydrin, acetonitrile.

Acrylonitrile (ACN)

Acrylonitrile is used to produce:

- ABS plastics (for various applications: to produce extra high strength and weather resistant autoparts, radiotechnical devices, appliances)
- acrylic fibres
- wear-resistant rubbers, butadiene-nitrile resins

- used for synthesis of other chemicals

Technical characteristics of acrylonitrile are on our website.

Current price level is in keeping with the European acrylonitrile spot quotations.

Packing – Railway and automobile tanks and railway containers.

JSC “Naftan” the plant “Polymir” sales acrylonitrile monthly or yearly in the procedure of the choice among competitors for the right to conclude the contract for acrylonitrile delivery (the bidding).

Acetone Cyanohydrin (ACH)

Acetone Cyanohydrin is a product of cyanic acid and acetone reaction and is used:

- to produce methylmethacrylate, methylmethacrylic acid, resins
- in pharmaceutical industry

Technical characteristics of Acetone Cyanohydrin are on our website.

Packing – Railway and automobile tanks and railway containers.

Acetone Cyanohydrin is used for production of methyl ether of metacrylic acid, resins, methyl/butyl methacrylate compound and porofor N (azobisisobutyronitrile).

JSC “Naftan” the plant “Polymir” sales Acetone Cyanohydrin monthly or yearly in the procedure of the choice among competitors for the right to conclude the contract for Acetone Cyanohydrin delivery (the bidding).

Acetonitrile is a byproduct of acrylonitrile and used:

- as a solvent and an organic compounds extraction agent
- to make pharmaceuticals (Vitamin B₁)

Technical characteristics of acrylonitrile are on our website

Packing – Railway and automobile tanks and railway containers.

Hydrocarbon cuts

Hydrocarbon feed pyrolysis products.

Hydrostabilized pyrocondensate is used:

- as an additive for petrol
- to make organic synthesis products

Technical characteristics of Hydrostabilized pyrocondensate are on our website.

Packing – Railway tanks- wagons of the Seller or Buyer.

JSC “Naftan” the plant “Polymir” sales Hydrostabilized pyrocondensate yearly in the procedure of the choice among competitors for the right to conclude the contract for Hydrostabilized pyrocondensate delivery (the bidding).

Heavy pyrolysis resin is used as a raw material for carbon production.

Technical characteristics of Heavy pyrolysis resin are on our website.

Packing – Railway tanks- wagons provided by the Seller.

JSC “Naftan” the plant “Polymir” sales Heavy pyrolysis resin yearly in the procedure of the choice among competitors for the right to conclude the contract for Heavy pyrolysis resin delivery (the bidding).

Butylene-butadiene fraction non-hydrogenized (fraction C₄) cut is used as a raw material for synthetic rubber production.

Technical characteristics of Butylene-butadiene fraction are on our website.

Packing – Railway tanks - wagons provided by the Seller.

JSC “Naftan” the plant “Polymir” sales Butylene-butadiene fraction yearly in the procedure of the choice among competitors for the right to conclude the contract for Butylene-butadiene fraction (the bidding).

Technical propane – butane mixture (TPBM) grade according to GOST 20448-90 is used as fuel for domestic consumption and for industrial purposes.

Technical characteristics of TPBM are on our website.

Packing – Railway tanks - wagons provided.

JSC “Naftan” the plant “Polymir” sales TPBM yearly in the procedure of the choice among competitors for the right to conclude the contract for TPBM (the bidding).

Gas MAF (Methylacetylene-Allene Fraction)

Gas MAF (Methylacetylene-Allene Fraction) is an analogue of acetylene for flame treatment of metals. Welding of ferrous metals, brazing of copper and brass items, facing of hard-wearing metals, all types of powder spraying are made with the help of gas MAF. Gas-oxygen cutting with MAF allows two times better productivity and simultaneously reduces the consumption of combustion gas twice.

Modern large-scale production of the plant “Polymir” with complete technological cycle of gas separation from the products of pyrolysis of raw hydrocarbons allows stable supplies of gas of guaranteed quality.

Technical characteristics of gas MAF are on our website.

Application of gas MAF:

- gas pipe-welding according to GOST 3262 of St2, St3 steel, GOST 380
- gas welding of steel parts with wall thickness up to 6 mm of steel grades St0, St1, St3 Group A, GOST 380, quality carbon structural steel of 05-20 kp grades, Group 1, as well as 15G, 20G, GOST 16523
- gas welding and welding deposition of nonferrous metals and stainless steel
- severing and tangential cutting of carbon steel
- soft and hard soldering
- fiery hardening
- flame spraying
- heating of the metal for restriking, bending, molding, etc.

It is possible to use common acetylene burners and cutting device (insignificant modification is allowed) for MAF-gas works. On the balloon with gas the standard propane reducer BPO-5 is used. While working with the burner of small capacity as a variant it is allowed to use the reducer for the domestic gas balloon. The norms and requirements for safe application of MAF-gas are those which are usually used

for the propane-butane mixtures.

MAF-gas is transported and kept in the standard propane balloons and other vessels for liquefied gasses, manufactured as per GOST 1586-84.

Small volume chemicals

Polymir offers a range of small volume chemicals intended for various applications.

Non-oxidized polyethylene wax grade PV-200, PV-300 is used to produce electronics, cables, insulation paper, polishers and creams for domestic chemicals, model wax compounds, polygraphical inks, pigment masterbatches.

Oxidized polyethylene wax PVO-30 grade is used to make man-made leather, polyethylene emulsion

Ammonium sulphate is a nitrogen fertilizer for agricultural crops and technical using.

Consumer goods

High pressure polyethylene products:

- polyethylene films
- thermocontractable films
- polyethylene tubes
- polyethylene bags

All detailed information about the terms of participation in the bidding you can find on our web-site www.polymir.by. In case not all quantity of the goods is sold during the bidding the plant "Polymir" announces the procedure of negotiations with all potential customers.

Aleksey Zhyhunov

The Head of the Management
on Selling of Chemical Products

