



NYLATECH
MEETING TODAY'S CAST NYLON NEEDS

CAST NYLON SOLUTIONS

PRODUCTS

Nylatech specializes in the manufacturing of cast nylon 6 and 6/12. Our full line manufacturing capabilities allow for the production of all your stock shape needs including tubular bar, rod and plate stock. We also produce semi-finished and finished custom cast components for increased savings and quick turnarounds.

Nylatech® Natural

NYLATECH® NATURAL Cast Nylon offers the excellent abrasion resistance, and dimensionally stable qualities inherent of all cast nylon grades. In addition, NYLATECH® NATURAL conforms to US F.D.A 21CFR177.1500 making it ideal for components in the food processing industry.

Nylatech® Blue

Formulated for higher continuous operating temperatures, NYLATECH® BLUE is ideal for hotter environments. This heat-stabilized grade is commonly used as bushings, rollers, wear pads, and wear strips in ovens, kilns and industrial dryers.

Nylatech® MD

This molybdenum disulphide filled grade offers increased wear-resistance allowing for longer part life, decreased mating component wear, and less down time. NYLATECH® MD is perfectly suited for sheaves used in the mobile crane industry, bushings, wear pads for telescoping booms, gears, and rollers found in numerous material handling systems.

Nylatech® Oil

A special formulation of liquid lubricant encapsulated during manufacture, provides for true lubrication at the bearing surface. NYLATECH® OIL is offered for applications where maintenance lubrication is difficult or impossible. As well, Nylatech's specially formulated oil, limits moisture adsorption, making NYLATECH® OIL an ideal bearing material for submerged or critical tolerance applications.

This grade is also available in NYLATECH® NATURAL-OIL for food contact applications. The absence of pigment permits this grade to conform with FDA Regulations 21 CFR, Sec. 177.15 and USDA 3A Sanitary Standards 20-17 for direct contact with food.

Nylatech® Moly-Oil

Nylatech has formulated a hybrid of MD and OIL utilizing the same technology as our NYLATECH® OIL grade. This provides a material possessing the same high compressive strength and load bearing properties of MD filled, with all the advantages of a Liquid Lubricant. NYLATECH® MD-OIL is especially suited for high load - low RPM applications, but is a superior replacement for MD in many heavy-duty friction generating applications.



Nylatech® SL

NYLATECH® SL contains a proprietary solid lubricant, which offers a low coefficient of friction with superior wear resistance. NYLATECH® SL is used for dynamic applications where external lubrication is difficult or impossible. Providing in excess of 5 times longer part life than other lubricated materials, NYLATECH® SL offers significant savings in machine maintenance and down time costs. As well, it provides added assurance of part life in friction applications where other cast nylons may fail.

Nylatech® PVM

NYLATECH® PVM (pressure/velocity/maximum) was developed to provide a premium material for a variety of applications. Nylatech® PVM is a self lubricated material with the lowest coefficient of friction of any type 6 cast nylon. Nylatech® PVM offers exceptional PV (pressure times velocity) values resulting in an excellent material for tough load bearing/frictional applications.

NYLATECH® PVM is the material of choice for high speed bushing and sliding applications. It reduces sliding friction and minimizes the inherent frictional heat generated with higher COF materials. In addition, this reduction in sliding friction also reduces electrical consumption on conveyor drives.

Nylatech® Glass Filled

Nylatech's unique manufacturing process offers a large variety of glass filled nylon grades up to 30%. This grade is often used in prototype and development work where injection molded parts would be cost prohibitive.

Nylatech® Power-6 (Steel Core)

NYLATECH® POWER-6 offers the load bearing capacity of steel with the abrasion resistance, wear resistance and noise reduction of nylon.

In demanding applications where the load bearing capability of steel is required; such as a keyway in a sprocket, NYLATECH® POWER-6 is the answer.



Nylatech® PVM

Custom castings & custom colors are available.

Standard Sizes:

TUBULAR BAR:

- 1 ¾" OD to 6" OD in 50" lengths
- 4" OD to 24" OD in 52" lengths
- 8" OD through 40" OD in 13" or 26" lengths

ROD:

- ¾" through 2" diameter in 2' to 10' lengths
- 2" through 3 ¾" diameter in 2' lengths
- 4" through 16" diameter in up to 4' lengths
- 17" through 36" diameter 1' lengths

DISK:

- 8" through 68" diameter in a variety of thicknesses

PLATE:

- 0.25" thick through 7" thick
- Available in 2'x4', 3'x4', 4'x4' and 4'x10'
- Custom sizes available to improve part yield and reduce material cost.

OUTSTANDING PHYSICAL PROPERTIES

EXCELLENT ABRASION & WEAR RESISTANCE

HIGH TENSILE & COMPRESSIVE STRENGTHS

LOW COEFFICIENT OF FRICTION

LIGHT WEIGHT

EASY MACHINING

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