

MJ May High Performance Plastics

Semi-Finished Products made from Nylon



www.mjmay.com

Nylon

Nylon is a highly abrasive and wear resistant plastic often used for bearings, gears, and other high-wear parts.

The most outstanding properties are:

- Resists gasoline, mineral oil, and refrigerants
- Good impact strength
- High tensile strength
- High wear resistance

Nylon can be used in a temperature range from -40°F to $+185^{\circ}\text{F}$.

TYPICAL PROPERTIES

Color: Off-White

Temperature Range: -40°F to $+185^{\circ}\text{F}$

Tensile Strength: 11,200 psi

Impact Strength: 1.000 ft-lbs./in.

Specifications Met: ASTM D5989, ASTM D6779, Made of FDA Listed Material, NSF/ANSI Standard 61 for Drinking Water, UL 94V2

Recommended for Outdoor Use: No

TYPICAL APPLICATIONS

Nylon is an engineered plastic used in precision parts requiring high rigidity, high stiffness and high strength. It is a great material for making parts that will be used in a dry environment. Because of its superior mechanical properties, it's often used in applications where plastics save weight over metal parts, but offers similar strength characteristics.

Often used to make gears, bushings and bearings.

Applications for machined parts include: packaging equipment, drive components, and bearing applications requiring lighter weight parts.

FORMS AVAILABLE

Sheet: 1/4" to 1" thick

Rod: 1/4" to 2" diameter