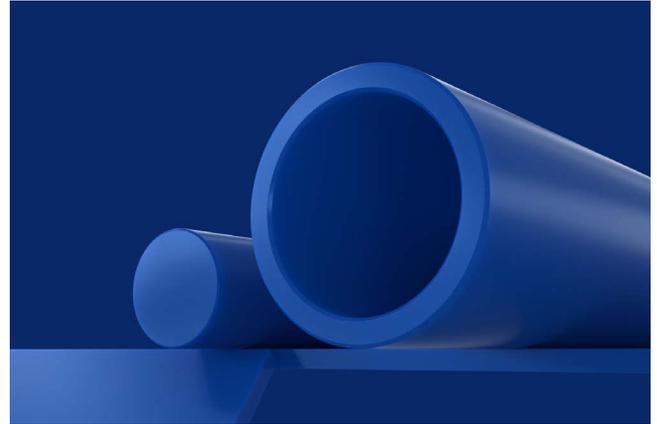


Perfecting the Art of Cast Nylon 6

Not all cast nylon 6 is created equal. More than 20 manufacturers worldwide produce it—but skill, not chemistry alone, separates one material from the other. At **Mitsubishi Chemical Group (MCG)**, we've spent decades fine-tuning the process. **Nylatron™ cast nylon 6** stands apart in look, machinability, and performance.



Think of it like baking. Just like expert bakers create different flavors and textures using the same ingredients and equipment, our team delivers cast nylon 6 your customers will notice.

Built for Better Machining

Every part is shaped by our exacting process—from casting to inspection—so you can trust the material you deliver.



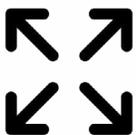
Superior machinability. Nylatron™ cast nylon 6 creates the **most machinable shapes available.** Our unique reaction chemistry and annealing yield cleaner, more predictable chips. Materials machine faster and smoother—saving time and tooling.



Tighter tolerances. Nylatron™ cast nylon 6 plate is flatter and straighter with 1" thickness and less supplied to +.025" tolerance—making it easier to cut and machine. Rounds are cast with an “oversize to finish” outer diameter for **single-turn final sizing.** This means less machining and less waste.



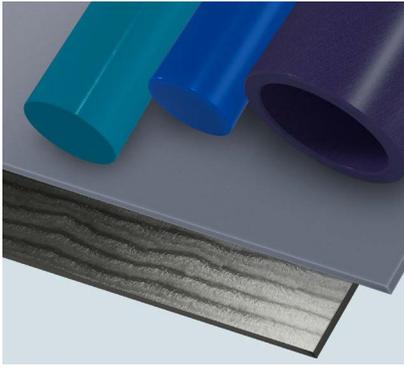
Bubble-free quality. Our **statistically controlled** reactions and **ultrasonic inspection** detect voids before they reach your customer. Every shape is tested for hardness, confirmed with differential scanning calorimetry (DSC).



Bigger shapes, better yields. MCG offers **large-format capabilities** to help reduce waste and lower per-part cost. With over 50 years of tooling experience and a global network, we're ready to deliver what you need—or deliver a **custom solution** that fits.



Fast turnaround, local support. With casting sites in Pennsylvania and Toluca, Mexico, MCG offers the **largest North American cast nylon capacity.** Our European teams add support when needed. You'll get **responsive lead times**—and products you can count on.



The Most Complete Cast Nylon 6 Range

Nylatron™ offers one of the widest selections of cast nylon 6 available:

- **Natural, black, and blue grades**
- **Heat-stabilized and plasticized compositions**
- **MoS₂-filled, oil-filled, and wax-filled grades for reduced friction and wear**

Every grade is tailored for performance—whether your customer needs to support extreme loads, reduce friction, or extend part life.

Shape Options and Capabilities

Parts	Equipment	Capabilities
Spun Tubes	2"-18" outer diameter ¼"-1" wall thickness 13"-78" length	Excellent concentricity, minimal voids
Static Tubes	3"+ inner diameter Length varies	Ideal for thicker walls and larger diameters; length customizable to accommodate tooling and oven depth
Rod	2"-20" diameter 48" or 120" length	Larger diameters possible with custom tooling
Plate	48" x 120" sheets ¼"-2.5" thick	Flat, stable, and easy to machine
Near-Net Shapes	Custom	Rapid tooling enables larger shapes and large volume parts to reduce machining time and cost
Sheave Blanks	Custom	Optional aluminum cores for smaller bearing bores
Disks	Custom	Cast or cut to length—ideal for sheaves and gears
Gear Rings	Up to 100" diameter	Originally for paper mill dryers—now used in seals and thrust rings



Let's talk!

Whether you need to reduce cycle time, improve part performance, or meet a unique specification, our team is here to help. [Let's connect.](#)

All statements, technical information, recommendations, and advice are for informational purposes only and are not intended and should not be construed as a warranty of any type or term of sale. The reader, however, is cautioned that Mitsubishi Chemical Advanced Materials does not guarantee the accuracy or completeness of this information and it is the customer's responsibility to test and assess the suitability of the products of Mitsubishi Chemical Advanced Materials in any given application or for use in a finished device.