



# Nylatron® MC901 Blue

Heat Stabilized Cast Nylon

## Description and Overview

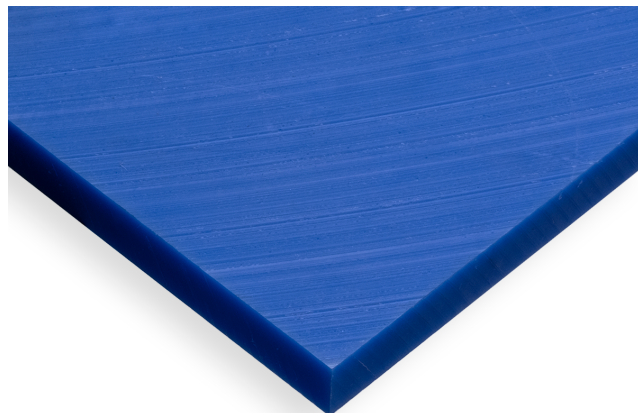
Nylatron® MC901 Blue is a heat stabilized cast nylon material that offers long-term thermal stability up to 260°F. Compared to Nylatron® NSM, MC901 Blue features superior electrical properties while retaining its mechanical properties.

Like standard nylon, Nylatron® MC901 Blue features a combination of toughness, dimensional stability, wear resistance, and versatility that make it a solid design choice in many projects, including structural and bearing applications.

## Applications and Uses

Nylatron® MC901 Blue is recommended for use in bearing and structural applications as well as custom parts that require electrical properties and great wear abrasion resistance.

- Wheels
- Gears
- Custom parts
- Pinions



Nylatron® MC901 Blue is available in sheet and rod shapes.  
Full sheet: 48" x 120"  
Thicknesses: .25" to 4"  
Rod diameters: 2" to 9" dia.


## Properties and Specifications


Property	Nylatron® MC901 Blue
Tensile Modulus	3,300 MPa
Tensile Strength	84 MPa
Flexural Modulus	3,580 MPa
Flexural Strength	131 MPa
Hardness, Rockwell	M85
Water Absorption @ 24 hrs.	.72%
Flammability (UL94)	HB
Melting Temperature	215°C
Deflection Temperature	80°C @ 264 psi
Minimum Service Temperature	-30°C
Affixable Properties	Chem / Mech

Properties are typical.  
Chem is an abbreviation for chemically affixed with glues, chemicals, or adhesive.  
Mech is an abbreviation for mechanically affixed bonding.  
Field testing is recommended for any application.

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 **WARNING:** This product can expose you to chemicals including N,N-Dimethylformamide, CAS 68-12-2, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

 **WARNING:** This product can expose you to chemicals including METHYLPYRROLIDONE, CAS 872-50-4, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



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