



## Industrial Extruding Polyamide PA6 Plastic Engineering Customized

Our Product Introduction

for more products please visit us on makewellplastic.com

### Basic Information

- Place of Origin: China
- Brand Name: MAKEWELL
- Certification: Rosh
- Model Number: Nylon cast PA6
- Minimum Order Quantity: 1kg
- Packaging Details: 1000\*1000\*2000mm
- Delivery Time: 5-8 working days
- Payment Terms: T/T, L/C, D/A, D/P, Western Union, MoneyGram
- Supply Ability: 5 Tons / week

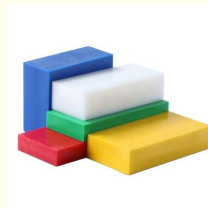
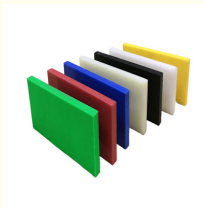
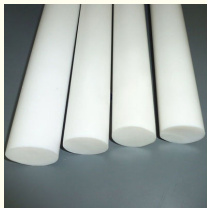


### Product Specification

- Size: 1 2 3 4 5 6-200mm
- Color: Black, white, Natural, Customized
- Plastic Modling Type: Extruding, Mould
- Material: Plate, Rod, tube
- Product Name: Nylon PA6 Cast Plate/rod/tube
- Application: Industrial
- Certification: ISO9001, SGS, RoHs And Others, Test Report
- Type: Engineering Plastic
- Feature: High Precision; Free Design; OEM&ODM
- Packing: Wooden Box, Wooden Case
- Grade: Industry Grade, high Quality
- Tolerance: As Drawing
- Appearance: Granular
- Item: Custom Cnc Machining Engineering Plastic Products



### More Images



### Product Description

**Nylon** is a tough, stable engineering thermoplastic used for its high strength, good rigidity, dimensional stability, and resistance to moisture and chemicals. Nylon uses include bearing and wear applications, where it acts as a replacement for many metals.

Our Product Introduction



**PA6 MC**

I .Physical Properties	Standard		Unit	Value
Colour	—			NC/BK/Blue
Density	D 792		g/cm <sup>3</sup>	1.15
<b>II .Mechanical</b>				
Tensile strength	D 638		Mpa	78-96
Tensile elongation	D 638		%	10-50
Tensile elastic elongation	D 638		Mpa	2942-3432
Compression strength	D 695	Breaking point(5% Variation)	Mpa	92-103
	D 695	Breaking point(10% Variation)	Mpa	92-95
Bending strength	D 790		Mpa	96-110
Bending elastic elongation	D 790		Mpa	2942-3530
IZOD Notched Izod impact strength	D 256		J/M	35-50
Rockwell strength	D 785		R-Scale	115-125
Shore strength	D 785		D type	84-86
Absorptance	D 570	Underwater stable 24Hrs	%	5.5-7.0
	D 570	Underwater 24Hrs	%	0.5-1.0
<b>III. Thermal Properties</b>				
Melting point	—		°C	220-223
Heat deflection temp	D 648	0.445 Mpa (4.6kgf/cm <sup>2</sup> )	°C	220-215
	D 648	1.820 Mpa (18.6kgf/cm <sup>2</sup> )	°C	160-200
Heat resistance °C	—		°C	120-149
Coefficient of linear thermal expansi	D 696		X10 <sup>6</sup> /°C	9
Flammability(Thickness 3 mm/ 6 mm)	UL 94		—	HB/HB
<b>IV. Electrical Properties</b>				
Volume resistivity	D 257		Ω · m	4.0 × 10 <sup>13-15</sup>
	D 149		Kv/mm	18-22
Insulation breaking voltage	D 150	Dielectrical constant 10 <sup>3</sup> Hz	—	3.7
	D 150	Dielectrical tangent 10 <sup>3</sup> Hz	—	0.02

At the test are been made with a standard conditioning atmosphere of 23°C(at the moment no other temperature is available). The specified values are established from average values of several test and they correspond to our today's knowledge. Compliance with our product information. (the thermal length has to be considered when mounting the sheets.) -Reference only

## Our size

### PA6 Cast (NC, BK )

Product	Diameter (mm)	Width (mm)	Length (mm)	Mark
PA6C rod	φ6	—	1000	
PA6C rod	φ8	—	1000	
PA6C rod	φ10	—	1000	
PA6C rod	φ12	—	1000	
PA6C rod	φ15	—	1000	
PA6C rod	φ18	—	1000	
PA6C rod	φ20	—	1000	
PA6C rod	φ25	—	1000	
PA6C rod	φ28	—	1000	
PA6C rod	φ30-300	—	1000	Diameter 5mm/step
PA6C rod	φ300-400	—	500+20	Diameter 10mm/step
Product	Thickness (mm)	Width (mm)	Length (mm)	Mark
PA6C plate	6-12	540	540	Thickness 2mm/step
PA6C plate	15-70	540	540	Thickness 5mm/step
PA6C plate	80-170	540	540	Thickness 10mm/step
PA6C plate	110-200	640	640	Thickness 10mm/step
PA6C plate	6-12	1080	1080	Thickness 2mm/step
PA6C plate	15-70	1080	1080	Thickness 5mm/step
PA6C plate	80-120	1080	1080	Thickness 10mm/step
PA6C plate	6-12	1080	2160	Thickness 2mm/step
PA6C plate	15-70	1080	2160	Thickness 5mm/step



[PA6 MC Datasheet.pdf](#)  
[Size of PA6C plate rod tube.pdf](#)

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