

ENGINEERING PLASTIC MATERIAL

Industrial Applications

- | Aerospace
- | Agriculture Equipments
- | Automation
- | Automotive
- | Construction & Earth Moving Equipments
- | Marine Engineering
- | Material Handling & Conveyors
- | Mechanical Handling Equipments
- | Metal Wear
- | Mining
- | Paper & Sugar Mills
- | Railways
- | Steel Rolling Mills
- | Textile

Cast Nylon



Cast Nylon 6 G (Polyamide 6 G) is high molecular thermoplastic material produced by monomer casting which provides a comprehensive range of wear resistance, impact strength & toughness with almost limitless application potential.

Cast Nylon 6 G is a solid, low stress homogeneous material with high degree of crystallinity. In addition on this the properties characteristics are accentured by means of modification, special settings & additives.

We manufacture parts in excess of 1000mm diameter & 150 kg.

Semi-finished Products are Produced as Sheets, Solid Rods & Pipes in our own works. We also have in house machining facility to make machined components as per requirement.

Wide Applications of Cast Nylon

Gears, Cams, Sprockets, Bearings, Bushes, Pulleys, Sheaves, Bearing Cages, Slipper Pads, Rollers, Strips, Guides, Wear Rings, Swivel Bushes, Throttle Linkages, Wheel Liners, Wheels, Trunnion Bearings, Star Wheels, Pedestal Liners, Loom Pivot Bearings, Gears for looms & knitting Machines, Conveyor Liners, Bearings & Bushes for Earth Moving Machinery, Cam Followers, etc.

Standard Grades

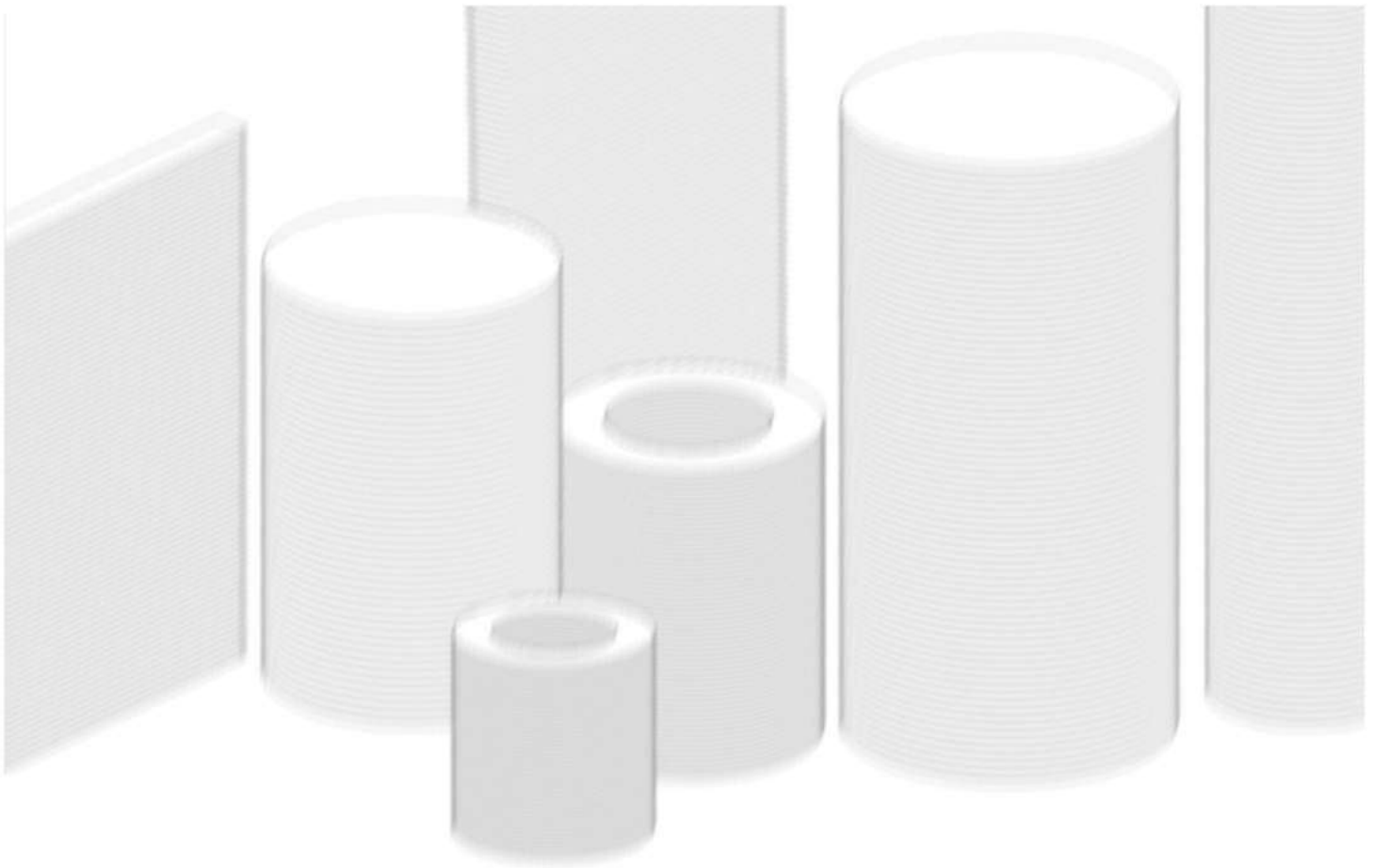
Cast Nylon 6	Quality semi - finished type for engineering parts with resistance to wear and abrasion, in mechanical engineering applications. Colour : Natural, Black, Blue
Cast Nylon 6 + MoS2	Improved crystallisation and a degree of self-lubrication occur by the addition of molybdenum disulphide. Hardness increases and simultaneously the general mechanical and anti-friction properties are improved. Colour: Grey, Black
Cast Nylon 6 + Oil	Low friction semi-finished product type with oil additive, with self lubricating properties & improved wear resistance. Colour: Yellow
Cast Nylon 6 + Impact modifier	Significantly improved impact resistance, insensitivity against stresses, notches & Scratches. Good mechanical, thermal & chemical stability Colour: Natural, Green, Red

Customized modified grades of Cast Nylon are manufactured against requirement.

Extruded Engineering Plastic Material

Polyamide6-Nylon 6	: Exhibits high impact resistance, high heat distortion temperature & high wear & abrasion resistance.
Polyacetal-Delrin	: Reasonable load capacity, easily machined, good dimensional stability & high strength and stiffness.
PEEK	: Good radiation resistance, high operating temperature, good chemical resistance & load bearing
PET	: Best dimensional stability & excellent wear resistance, a low coefficient of friction & resistance to moderately acidic solutions.
UHMWPE	: Exceptional toughness, low friction, high impact strength & good abrasion resistance.
Polypropelene	: Low density (buoyant in water), excellent chemical resistance, low tensile strength & elastic modulus.

Extreme applications require high performance engineering polymers



Save Environment
Use High Performance Engineering Plastics

Dura Polymers

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