

Venlon 6GB (Black Cast Nylon)

Product Information Sheet

Product Information

Trade name:	Venlon 6GB
Designation:	Cast Nylon
Food compliance FDA:	No
Colour:	Black

Product Description

This black cast grade, produced by an anionic polymerization casting process and carbon fillers, demonstrates similar characteristics to PA 66. Cast materials contain significantly lower stress levels combined with high strength, good creep and wear resistance resulting in great dimensional stability when machining. It offers the possibility of manufacturing large-sized stock shapes as well as custom castings which require only minimal machining. With material being more dimensionally stable comparing to the one of widely used polyolefin, it can be used for a much closer tolerance.

Properties

Density:	1.15-1.17	g/cm ³	D792
Deformation Under Load	0.5 – 2.6	%	D621
Continuous Service Temperature	230	°F	

Applications and Industries

- Wear Pads
- Conveyor Rollers
- Pulleys and Pulley Linings
- Hammer Heads
- Gear Wheels
- Feed Screws
- Chopping Boards
- Bearing Slides
- Impact Blocks
- Outrigger Pads
- Gate Rollers
- Support and Guide Wheels
- Tension Rollers
- Cams
- Scrapers
- Sprockets
- Star Wheels
- Insulators
- Roller Sleeves
- Full & Segmented Gears
- Pump Seats
- Support Wheels



Key Features and Benefits

- High Impact Resistance
- Excellent Vibration Resistance
- Good Dimensional Stability
- Good Load Bearing Properties
- Resistance to Brittleness & Deterioration
- Very good wear & abrasion resistance

Delivery Program

Sheets – Thickness	6mm – 100mm
Sheets – Size	2440 x 1220mm (6 – 60mm), 1220 x 610mm (70 – 100mm)
Rod – Diameter	25mm – 400mm

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