

Venlon 6EN (Extruded Nylon)

Product Information Sheet

Ph: +61 2 9609 5090 E: sales@gantiel.com
 4 Davis Road, Wetherill Park, NSW 2164
 P.O.Box 586 Baulkham Hills NSW 1755
 ABN: 87 108 071 512

Gantiel Vensott
Engineering Plastic Solutions

Product Information

Trade name:	Venlon 6EN
Designation:	Polyamide 6 Extruded
Type of polymer:	Thermoplastic
Food compliance BfR	Yes
Food compliance FDA:	Yes
Colour:	Natural

Product Description

Venlon 6EN is a general-purpose grade plastic that offers an excellent blend of mechanical and impact strength, vibration damping, wear and creep resistance. Complimenting these properties are good electrical insulation and favorable chemical resistance. Widely used for washers and gasket applications. Venlon 6EN is applicable within a temperature range of -40 to +160 °C.

Properties

Density:	1.14	g/cm ³	ISO 1183
Tensile modulus of elasticity:	3,250	MPa	ISO 527-2
Specific surface resistance:	10 ¹³	Ohm	IEC 60093
Temperature for usage in air: (max. short term)	160	°C	

Applications

- Support and guide wheels
- Sleeves for wheels and rollers
- Insulators
- Flanges
- Feed Screws/Scrolls
- Conveyor rollers
- Cams
- Sealing rings
- Impact Rollers

Key Features and Benefits

- High mechanical strength
- Tough and impact resistant
- Good resilience
- Good chemical resistance
- Good fatigue resistance
- Good wear resistance
- Can be bonded



Delivery Program

Rods - Outside diameter	6mm/8mm/10mm/12mm/16mm/20mm
Rods - Length	3000mm
Sheets - Thickness	1mm/1.5mm/2mm/3mm/5mm/6mm
Sheets - Size	2000mm x 1000mm
Tube - OD and ID	7.82mm OD x 6.15mm ID 12.7mm OD x 9.53mm ID 15.88mm OD x 12.7mm ID
Tube - Length	1500mm
Tolerance on length:	0% to +3%
Tolerance on width:	+1% to +4%

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