

# Vensoleet N (Natural PETP)

## 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

<b>Trade name:</b>	Vensoleet N
<b>Designation:</b>	Natural Polyester
<b>Food compliance FDA:</b>	Yes
<b>Colour:</b>	Natural/White

### Product Description

Gantiel Vensott's Natural Polyester or Vensoleet N is the natural grade of PETP, it is a semi-crystalline thermoplastic. It is stain resistant and has a very low moisture absorption so its mechanical and electrical properties remain virtually unaffected. Vensoleet N has a very good creep resistance, high strength, hardness and toughness.

### Properties

<b>Density:</b>	1.39	g/cm <sup>3</sup>	ISO 1183
<b>Tensile modulus of elasticity:</b>	3600	mpa	ISO 527-2
<b>Temperature range (long term max):</b>	-20 + 115	°C	

### Applications

- Components for Mechanisms
- Precision Gears, Wheels and Bearings
- Pump Components
- Conveyor Product Guides
- Protective Housing
- Pivot Bushes for Transport and Food Industry
- Low Friction Bushes and Sleeves



### Key Features and Benefits

- Better Resistance to Acids than Nylon and Polyacetal
- Good Electrical Insulating Properties
- High Mechanical Strength, Stiffness and Hardness
- Excellent Wear Resistance
- Non Toxic
- Physiologically inert (suitable for food contact) in Natural
- Good Weather Resistance
- Very Good Dimensional Stability (better than Polyacetal)
- Very Good Creep Resistance

### Delivery Program

<b>Sheets – Thickness</b>	10mm – 100mm
<b>Sheets-Size</b>	3000mm x 610mm, 1000mm x 610mm
<b>Rods – Diameter</b>	10mm – 200mm
<b>Rods - Length</b>	3000mm

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