

Vensoleet TF (Teflon Filled 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

Trade name:	Vensoleet TF
Designation:	Teflon Filled Polyester
Food compliance FDA:	Yes
Colour:	Light Grey

Product Description

Gantiel Vensott's Teflon Filled Polyester or Vensoleet TF is a Polyethylene Terephthalate compound incorporating a uniformly dispersed solid lubricant. Its specific formulation yields a premium internally lubricated bearing grade. Specifically suited for the manufacture of precision parts which have to sustain high loads and/or are subject to wear.

Properties

Density:	1.45	g/cm ³	ISO 1183
Tensile modulus of elasticity:	3450	mpa	ISO 527-2
Temperature range (long term max):	-20 + 115	°C	

Applications

- Components for Mechanisms
- Pump components
- Precision gears, wheels and bearings
- Conveyor Product Guides
- Slide ways
- Thrust Washers
- Low Friction Bushes and Sleeves



Key Features and Benefits

- Good Resistance to high energy radiation, Gamma and X-rays
- Very Good Dimensional Stability (better than Polyacetal)
- Good Electrical Insulating Properties
- Very Good Creep Resistance
- Physiologically inert (suitable for food contact)
- Better resistance to acids than Nylon and Polyacetal
- Excellent Wear Resistance
- High mechanical strength, stiffness and hardness

Delivery Program

Sheets – Thickness	10mm – 60mm
Sheets – Size	3000mm x 610mm, 1000mm x 610mm
Rods – Diameter	20mm – 100mm
Rods - Length	3000mm

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