

## CENTROLYTE FG / PET FG

### Product information

Trade name:	CENTROLYTE FG
Abbreviation ISO 1043:	PET FG
Designation:	Polyethylene terephthalate Food Grade, according to EU-Regulation 10/2011
Type of polymer:	Thermoplastic
Food compliance BfR:	Yes
Food compliance FDA:	Yes
Colour:	Natural

### Short description

PET FG is a semi-crystalline thermoplastic, which is characterised by its excellent electrical insulation properties, but is also solid, hard and tough at the same time and possesses excellent dimensional stability. PET FG is applicable within a temperature range of -20 to +160 °C. Due to excellent sliding properties and high wear resistance, PET FG-plastics are often used as pumping parts or ball bearing shells. The EU-VO 10/2011-/FDA approval assures physiological safety. PET FG is available in the colour natural.

### Properties

➤ Density:	1.39 g/cm <sup>3</sup>	ISO 1183
➤ Tensile modulus of elasticity:	3,600 MPa	ISO 527-2
➤ Specific surface resistance:	10 <sup>14</sup> Ohm	IEC 60093
➤ Temperature for usage in air (max. short term):	160 °C	

### Field of use

### Field of application

➤ Automotive industry	➤ Ball bearing cups
➤ Electrical industry	➤ Coil bodies
➤ Mechanical engineering	➤ Covers
➤ Medical technology	➤ Protective housings
➤ Plastics industry	➤ Pump components

### Delivery program

 Rods	10 – 200 mm
 Plates / Sheets	2 – 100 mm
 Tubes	on request

Stock lengths:	1,000 mm   2,000 mm   3,000 mm
Width:	610 mm   1,000 mm
Tolerance length:	0% to +3%
Tolerance width:	+0,5% to +4%

**Additional dimensions available on request.**