

## CENTROLYTE / PET

Product information	
Trade name:	CENTROLYTE
Abbreviation ISO 1043:	PET
Designation:	Polyethylene terephthalate
Type of polymer:	Thermoplastic
Food compliance BfR:	Yes
Food compliance FDA:	Yes
Colour:	Natural

Short description
<p>PET 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 is applicable within a temperature range of -20 to +160 °C. Due to excellent sliding properties and high wear resistance, PET-plastics are often used as pumping parts or ball bearing shells. The BfR-/FDA approval assures physiological safety. PET is available in the colour natural.</p>

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
➤ More industries	

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:	+1% to +4%
<b><i>Additional dimensions available on request.</i></b>	