




## CENTROLYTE ZX / PET ZX

Product information			
Trade name:	CENTROLYTE ZX		
Abbreviation ISO 1043:	PET ZX		
Designation:	Polyethylene terephthalate with lubricant		
Type of polymer:	Thermoplastic		
Food compliance BfR:	Yes		
Food compliance FDA:	Yes		
Colour:	Light grey		
Short description			
During the modification with PET ZX, a solid lubricant additive is added to the basic polyethylene terephthalate polymer. The sliding properties of the plastic are improved and the sliding friction coefficient is reduced. The self-lubricating plastic withstands higher loads, in particular during dry runs. PET ZX is often used for heavy duty wear parts such as gear wheels or precision plain bearings.			
Properties			
➤ Density:	1.45 g/cm³	ISO 1183	
➤ Tensile modulus of elasticity:	3,450 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		➤ Plug connectors	
➤ Electrical industry		➤ Precision plain bearings	
➤ Mechanical engineering		➤ Rollers	
➤ Medical technology		➤ Toothed gears	
➤ Plastics industry			
➤ More industries			
Delivery program			
 Rods	20 – 150 mm		
 Plates	20 – 60 mm		
 Tubes	on request		
Stock lengths:	1,000 mm   3,000 mm		
Width:	610 mm		
Tolerance length:	0% to +3%		
Tolerance width:	+1% to +4%		
Additional dimensions available on request.			