

Ertalyte TX has excellent stability and wear resistance with low moisture absorption. Ideal for high pressure and fast moving parts

ISO	PETP Polyethyleentereftalaat
Shape	Rod
Color	color_pg9e
Temperature Range	-20 and 100 °C
tbl_temp_melting	245 °C
Density	1440 kg/m3
Hardness	78 Shore D
Elongation at break	5 %
Tensile strength	76 N/mm2
Flame Resistance (UL 94)	HB

Material information

PETP Ertalyte polyester version has excellent abrasion resistance, low friction coefficient and high strength.

Usage examples

Can be used, for example, for plain bearings or other parts with high pressure and rapid movement.

Measurement tolerance 2768-mK

Wear resistance

Excellent

Item Overview

Item Code	Item Name	Width (mm)	Length (mm)
68800100	PETP Ertalyte TX staf 10 mm		1.000
68800120	PETP Ertalyte TX staf 12 mm		1.000
68800160	PETP Ertalyte TX staf 16 mm		1.000
68800200	PETP Ertalyte TX staf 20 mm		1.000
68800250	PETP Ertalyte TX staf 25 mm		1.000
68800280	PETP Ertalyte TX staf 28 mm		1.000
68800300	PETP Ertalyte TX staf 30 mm		1.000
68800360	PETP Ertalyte TX staf 36 mm		1.000
68800400	PETP Ertalyte TX staf 40 mm		1.000
68800450	PETP Ertalyte TX staf 45 mm		1.000
68800500	PETP Ertalyte TX staf 50 mm		1.000
68800600	PETP Ertalyte TX staf 60 mm		1.000
68800700	PETP Ertalyte TX staf 70 mm		1.000
68800800	PETP Ertalyte TX staf 80 mm		1.000
68800900	PETP Ertalyte TX staf 90 mm		1.000
68801000	PETP Ertalyte TX staf 100 mm		1.000



68801200	PETP Ertalyte TX staf 120 mm	1.000
68801500	PETP Ertalyte TX staf 150 mm	1.000

Water absorption

The extent to which the product absorbs water when tested for 24 hours in water at 23 degrees in accordance with ISO 63.

Immersion Saturation

0,060 % 0,470 %

Thermal properties

[tbl_thermal_explainer](#)

[tbl_thermische_geleiding](#) [tbl_lin_uitzet_2360](#) [tbl_lin_uitzet_23100](#) [tbl_temp_deflection_load](#)

0,290 W/(K.m) 65 x 10-6 m/(m.K) 85 x 10-6 m/(m.K) 75 °C

Mechanical properties

[tbl_mechanical_explainer](#)

[tbl_tension_norm](#) [tbl_tension_stress_yield](#) [tbl_tension_strain_yield](#) [tbl_tension_strain_break](#) [tbl_modulus_elasticity](#)

ISO 527-1/-2 76 MPa 4 % 5 % 3 MPa

Impact tests

[tbl_charpy_izod_explainer](#)

[tbl_charpy_impact](#) [tbl_charpy_unnotched](#) [tbl_charpy_notched](#) [tbl_izod_impact](#) [tbl_izod_impact_notched](#)

ISO 179-1 30 KJ/m² 2,500 KJ/m² ISO 179-1 0

Dynamische Coefficient of Friction

[tbl_dcf_explainer](#)

[tbl_dcf](#) [tbl_dcf_min](#) [tbl_dcf_max](#) [tbl_dcf_wear](#)

ISO 179-1 0,150 0,220 2 µm/km

Electrical properties

Tests related to the electrical resistivity and conductivity of the material.

Electric strength **Volume resistance** **Surface resistance**

IEC 60243-1 21 kV/mm >10E 13 Ohm.cm >10E 12 Ohm/sq.

We provide product information as known by us with great care. We cannot accept any liability for errors and/or inaccuracies and/or incompleteness. Please note that our products are intended for professional use only. For high impact applications and/or combinations of limit values we always recommend to have the properties specific to that situation verified by us. If there are multiple specifications for a product we will use the standard of 2mm or the closest specification.

