

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

ISO	PETP Polyethyleentereftalaat
Shape	Sheet
Color	color_pgpre
Temperature Range	-20 and 100 °C
tbl_temp_melting	245 °C
Density	1440 kg/m3
Hardness	78 Shore D
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)
63000080	PETP Ertalyte TX 8 mm		
63000100	PETP Ertalyte TX 10 mm		
63000120	PETP Ertalyte TX 12 mm		
63000150	PETP Ertalyte TX 15 mm		
63000160	PETP Ertalyte TX 16 mm		
63000180	PETP Ertalyte TX 18 mm		
63000200	PETP Ertalyte TX 20 mm		
63000250	PETP Ertalyte TX 25 mm		
63000300	PETP Ertalyte TX 30 mm		
63000400	PETP Ertalyte TX 40 mm		
63000450	PETP Ertalyte TX 45 mm		
63000500	PETP Ertalyte TX 50 mm		
63000600	PETP Ertalyte TX 60 mm		
63000700	PETP Ertalyte TX 70 mm		
63000800	PETP Ertalyte TX 80 mm		
63001000	PETP Ertalyte TX 100 mm		



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)	0 x 10-6 m/(m.K)	0 x 10-6 m/(m.K)	0 °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/m ²	2,500 KJ/m ²	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.

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