

Ertalon LFX is ideal for heavy loads at low speed.

Shape	Sheet
Color	Green
Temperature Range	-20 and 90 °C
tbl temp melting	215 °C
Density	1135 kg/m3
Hardness	82 Rockwell M
Elongation at break	25 %
Tensile strength	73 N/mm2
Flame Resistance (UL 94)	HB

Material information

Ertalon LFX is a self-lubricating material suitable for heavily loaded sliding elements that move slowly. There is low friction and very good wear resistance.

Usage examples

For example, applied as a sliding element in a telescopic crane and various other moving applications.

Measurement tolerance 2768-mK

Item Overview

Item Code	Item Name	Width (mm)	Length (mm)
64900080	PA Ertalon LFX plaat 8 mm		
64900100	PA Ertalon LFX plaat 10 mm		
64900120	PA Ertalon LFX plaat 12 mm		
64900160	PA Ertalon LFX plaat 16 mm		
64900200	PA Ertalon LFX plaat 20 mm		
64900250	PA Ertalon LFX plaat 25 mm		
64900300	PA Ertalon LFX plaat 30 mm		
64900350	PA Ertalon LFX plaat 35 mm		
64900400	PA Ertalon LFX plaat 40 mm		
64900500	PA Ertalon LFX plaat 50 mm		
64900600	PA Ertalon LFX plaat 60 mm		
64900700	PA Ertalon LFX plaat 70 mm		
64900800	PA Ertalon LFX plaat 80 mm		
64901000	PA Ertalon LFX plaat 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

0,660 % 6,300 %



Thermal properties

[tbl_thermal_explainer](#)

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

0,280 W/(K.m) 80 x 10⁻⁶ m/(m.K) 90 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 73 MPa 5 % 25 % 3.000 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 50 KJ/m² 4 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 0 0 µm/km

Electrical properties

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

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

IEC 60243-1 22 kV/mm IEC 60093 >10E 14 Ohm.cm IEC 60093 >10E 13 Ohm/sq.

Related materials

Code	Group Name	Shape	Color
649	PA Ertalon LFX	Sheet	Green
703	PA Ertalon LFX groen staf	Rod	Green

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.

