

PA Ertalon 66 SA combines the strength of PA 6 with more rigidity

Shape	Sheet
Color	color_nat
Temperature Range	-30 and 75 °C
tbl_temp_melting	240 °C
Density	1140 kg/m3
Hardness	88 Shore D
Elongation at break	50 %
Tensile strength	86 N/mm2
Flame Resistance (UL 94)	HB

Material information

This material is stiffer and has greater impact resistance than Ertalon 6 SA. Also, this variant has a wider temperature range.

Usage examples

Processing

Easy to process. Saw, plane and mill if necessary.
Measurement tolerance 2768-mK

Item Overview

Item Code	Item Name	Width (mm)	Length (mm)
63600030	PA Ertalon 66 SA naturel 3 mm		
63600040	PA Ertalon 66 SA naturel 4 mm		
63600080	PA Ertalon 66 SA naturel 8 mm		
63600100	PA Ertalon 66 SA naturel 10 mm		
63600120	PA Ertalon 66 SA naturel 12 mm		
63600150	PA Ertalon 66 SA naturel 15 mm		
63600200	PA Ertalon 66 SA naturel 20 mm		
63600400	PA Ertalon 66 SA naturel 40 mm		
63600500	PA Ertalon 66 SA naturel 50 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

0,970 % 8,500 %

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) 85 x 10-6 m/(m.K) 100 x 10-6 m/(m.K) 85 °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	86 MPa	5 %	50 %	3.550 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	KJ/m ²	4,500 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	0,400	0,600	14 µm/km

Electrical properties

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

Electric strength	Volume resistance	Surface resistance
IEC 60243-1 27 kV/mm	IEC 60093 >10E 14 Ohm.cm	IEC 60093 >10E 13 Ohm/sq.

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