

Universal material for precision parts and has low moisture absorption

ISO	POM polyoxymethylene; polyacetal; polyformaldehyde
Shape	Sheet
Color	Black
Temperature Range	-50 and 100 °C
<u>tbl_temp_melting</u>	165 °C
Density	1410 kg/m3

Material information

Measurement tolerance 2768-mK

Very high dimensional stability so suitable for precision parts High mechanical strength, stiffness and hardness. Very high resilience.

Petrol	Water	Wear resistance
Moderate	Good	Moderate

Item Overview

Item Code	Item Name	Width (mm)	Length (mm)
60800010	POM Ertacetal C zwart 1 mm		
60800020	POM Ertacetal C zwart 2 mm		
60800030	POM Ertacetal C zwart 3 mm		
60800040	POM Ertacetal C zwart 4 mm		
60800050	POM Ertacetal C zwart 5 mm		
60800060	POM Ertacetal C zwart 6 mm		
60800080	POM Ertacetal C zwart 8 mm		
60800100	POM Ertacetal C zwart 10 mm		
60800120	POM Ertacetal C zwart 12 mm		
60800150	POM Ertacetal C zwart 15 mm		
60800160	POM Ertacetal C zwart 16 mm		
60800200	POM Ertacetal C zwart 20 mm		
60800250	POM Ertacetal C zwart 25 mm		
60800300	POM Ertacetal C zwart 30 mm		
60800350	POM Ertacetal C zwart 35 mm		
60800400	POM Ertacetal C zwart 40 mm		
60800500	POM Ertacetal C zwart 50 mm		
60800600	POM Ertacetal C zwart 60 mm		
60800700	POM Ertacetal C zwart 70 mm		



60800800	POM Ertacetal C zwart 80 mm	
60800900	POM Ertacetal C zwart 90 mm	
60801000	POM Ertacetal C zwart 100 mm	
60801100	POM Ertacetal C zwart 110 mm	
60801200	POM Ertacetal C zwart 120 mm	
60801500	POM Ertacetal C zwart 150 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

0,240 % 0,800 %

Thermal properties

[tbl_thermal_explainer](#)

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

0,310 W/(K.m) 110 x 10⁻⁶ m/(m.K) 125 x 10⁻⁶ m/(m.K) 100 °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 66 MPa 15 % 40 % 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 KJ/m² 8 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 0,300 0,450 45 µm/km

Electrical properties

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

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

IEC 60243-1 20 kV/mm IEC 60093 >10E 14 Ohm.cm IEC 60093 >10E 13 Ohm/sq.



Related materials

Code	Group Name	Shape	Color
708	POM Ertacetal C blauw staf	Rod	color_bla50
725	POM Ertacetal C buis zwart	shape_65	Black
607	POM Ertacetal C naturel	Sheet	color_nat
680	POM Ertacetal C naturel staf	Rod	color_nat
608	POM Ertacetal C zwart	Sheet	Black
681	POM Ertacetal C zwart staf	Rod	Black

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.

