

POM

Polyoxymethylene / Delrin / Polyacetal

Color: White/Black

Density: 1.43g/cm³



...We pay more attention to after-sales!

Material Data Sheet

Mechanical Properties	Value	Unit	DIN/EN/ISO
Tensile strength at yield	80	MPa	527/D638
Elongation at yield	32	%	527
Modulus of elasticity in tension	3600	MPa	178
Notched impact strength	14	KJ/m ²	179/D256
Compression Strength(1% / 2%)	23/38	MPa	604
Compression modulus	2800	MPa	604
Frictional coefficient	0.2-0.32	-	-
Rockwell hardness	M84	-	2039-1

Thermal Properties	Value	Unit	DIN/EN/ISO
Glass transition temperature (TG)	-60	°C	53736
Crystalline melting point	165	°C	53736
Service temperature(short term)	140	°C	-
Service temperature(long term)	115	°C	53736
Coefficient of thermal expansion	110×10 ⁻⁶	m/(m*k)	53483/D696
Specific heat	1.3	J/(g*K)	-
Coefficient of thermal conductivity	0.43	W(k*m)	-

Electrical properties	Value	Unit	DIN/IEC
Surface resistivity	≥10 ¹³	Ω	60093
Volume resistivity	≥10 ¹⁴	Ω *cm	60093
Dielectric strength	20	kv/mm	60243

Other properties	Value	Unit	DIN/EN/ISO
Water absorption @ saturation @ 23°C	0.24	%	62
Resistance to hot water , washing soda	Resistant	-	-
Resistance to weathering	No	-	-
Flammability(UL94)	HB	-	4589

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The following information corresponds with our current knowledge and indicates our products and possible applications; We cannot give a legally binding guarantee of certain properties or the suitability for a specific application, Existing commercial patents must be observed.

A definitive quality guarantee is given in our general conditions of sales. Unless otherwise stated, these values represent averages taken from injection moulding samples, We reserve the right of technical alterations.