

Polyoxymethylene Copolymer has excellent wear and slip resistance due to its smooth surface and high hardness. Its thermo-stability and chemical stability are high, it has an increased hydrolysis resistance, it does not tend to crack under stress. It has a continuous operating temperature up to 100° Celsius.

Control Method	Unit	Value
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General Properties

Density	DIN EN ISO 1183-1	g/cm ³	1,41
Moisture absorption	DIN EN ISO 62	%	0,2
Fire behaviour	UL94		HB/HB

Mechanical Properties

Resistance	DIN EN ISO 527	MPa	68
Elongation at break	DIN EN ISO 527	%	30
E Modulus / rigidity	DIN EN ISO 527	MPa	3000
Impact resistance	DIN EN ISO 179	kJ/m ²	8
Ball indentation hardness			150
Shore (hardness)	DIN EN ISO 868	D Scale	83

Thermal Properties

Melting Temperature	ISO 11357-3	°C	165
Thermal Conductivity	DIN 52612-1	W / (m*K)	0,31
Heat Capacity	DIN 52612	kJ / (kg * K)	1,5
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ K ⁻¹	110
Long-term use temperature	AVERAGE	°C	-50 / +100
Short-term use temperature (max)	AVERAGE	°C	140
Heat distortion temperature	DIN EN ISO 306, Vicat B	°C	110

Electrical Properties

Dielectric index	IEC 60250		3,8
Dielectric loss factor (10 ⁶ Hz)	IEC 60250		0,002
Volume resistivity	IEC 60093	Ω*cm	1013
Surface resistivity	IEC 60093	Ω	1013
Leakage course flow comparison index	IEC 60112		600
Dielectric strength	IEC 60243	kV/mm	40

Les valeurs indiquées dans ces fiches techniques sont des valeurs moyennes mesurées lors des tests de contrôle courant. Les données s'appliquent uniquement aux caractéristiques des matériaux et ne peuvent conduire à des engagements commerciaux que sur la base d'un accord express.