

Technical Datasheet POM MC90

1) Product Description:

Celcon acetal copolymer grade MC90 is a mineral reinforced grade offering low warp, impact dimensional stability, improved stiffness, improved practical impact and retention of other base resin properties with good moldability.

2) Applications:

Injection molded technical parts

3) Typical data:

Property	Test method	Unit	value
Molding shrinkage, parallel	ISO 294-4,2577	%	1.9
Molding shrinkage, normal	ISO 294-4,2577	%	1.6
Tensile Modulus	ISO 527-1/-2	MPa	3000
Charpy notched impact strength, +23°C	ISO 179/1eA	kJ/m ²	6.8
Charpy notched impact strength, -30°C	ISO 179/1eA	kJ/m ²	5.5
Melting temperature, 10 °C/min	ISO 11357-1/-3	°C	165
Temp. of deflection under load, 1.80 MPa	ISO 75-1/-2	°C	97
Temp. of deflection under load, 0.45 MPa	ISO 75-1/-2	°C	152
Vicat softening temperature, 50 °C/h 50N	ISO 306	°C	161
Coeff. Of liner therm. Expansion, parallel	ISO 11359-1/-2	E-6/K	100
Coeff. Of liner therm. Expansion, normal	ISO 11359-1/-2	E-6/K	120
Water absorption	Sim. To ISO 62	%	0.75
Humidity absorption	Sim .to ISO 62	%	0.2
Density	ISO 1183	Kg/m ³	1480

* Typical values not to be construed as specifications.