

POM FM090 Polyoxymethylene, Acetal Copolymer Technical Datasheet

Features:

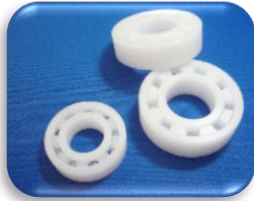
Standard-flow Minimal mold

Typical Properties				
Properties		Test Method	Unit	Typical Value
ISO Marking Code		ISO 11469	-	>POM<
Melt Index		ISO 1133	g/10min	9
Density		ISO 1183	g/cm ³	1.41
Rockwell Hardness		ISO 2039-2	M	80
Flexural Strength		ISO 178	MPa	88
Flexural Modulus		ISO 178	MPa	2500
Tensile Strength (at yield point)		ISO 527-2/1A	MPa	62
Tensile Elongation (at break point)		ISO 527-2/1A	%	35
Charpy Impact Strength (notched)		ISO 179-1, 179-2	KJ/m ²	6.5
Izod Impact Strength (notched)		ISO 180/1A	KJ/m ²	6.5
Water Absorption(23°C,50% RH)		ISO 62	%	0.2
Flammability		UL94		HB
Mold Shrinkage (3mm ^t ,4in disk)			%	1.8-2.2
Heat Deflection Temperature	1.80 MPa	ISO 75-1,-2	°C	103
Linear Expansion Factor		ISO 11359-2	x10 ⁻⁵ /°C	12
Melting Point		ISO 11357-3	°C	165
Volume Resistivity		IEC 60093	Ω.cm	1x10 ¹⁴
Surface Resistivity		IEC 60093	Ω	1x10 ¹⁶
Dielectric Breakdown Strength (2mm)		IEC60243-1	kV/mm	19

Note: The details given in this data sheet are our standard value but not specification guaranteed.


Applications:

- Buttons and press-in fasteners
- Gears
- Plumbing and hardware
- Electronic parts
- Household appliances
- Automotive parts
- Other injection parts
- Bearing



 Unit 302, Sheydayee BLD, Sazman AB, Tehranpars

 <https://irplastics.com/en>

 +98-21-77784838

