

FORMOCON[®] FM090

ACETAL COPOLYMER (POM)

Features	Applications	
Standard-flow Minimal mold	Buttons and press-in fasteners Plumbing and hardware Household appliances Other injection parts	Gears Electronic arts Automotive parts Bearing

Typical Properties

Properties	Test Method	Unit	Typical Value
Melt Index	ISO 1133	g/10min	9
Density	ISO 1183	g/cm ³	1.41
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
Izod impact Strength (V-notched)	ISO 180/1A	KJ/m ²	6
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.

FORMOSA PLASTICS CORPORATION

