FORMOCON® FM090

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ACETAL COPOLYMER (POM)

Features

Standard-flow
Minimal mold

Applications

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
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
Water Absorption(23℃,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.

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