

ACETAL COPOLYMER (POM)

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

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