

ACETAL COPOLYMER (POM)

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

Typical Properties				
Properties		Test Method	Unit	Typical Value
Melt Index		ISO 1133	g/10min	13
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
Izod Impact Strength (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	102
Linear Expansion Factor		ISO 11359-2	x10 ⁻⁵ /°C	11
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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