

ACETAL COPOLYMER (POM)

Features

Standard toughness
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
Melt Index	ISO 1133	g/10min	6
Density	ISO 1183	g/cm ³	1.41
Rockwell Hardness	ISO 2039-2	M	80
Flexural Strength	ISO 178	MPa	86
Flexural Modulus	ISO 178	MPa	2450
Tensile Strength (at yield point)	ISO 527-2/1A	MPa	62
Tensile Elongation (at break point)	ISO 527-2/1A	%	38
Charpy Impact Strength (notched)	ISO 179-1, 179-2	KJ/m ²	7
Izod Impact Strength (notched)	ISO 180/1A	KJ/m ²	7
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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