

ACETAL COPOLYMER (POM)

Features

High-flow
Minimal mold

Applications

Press-in fasteners Zippers
Electronic arts Automotive parts
Household appliances Gears
Other small mechanical parts

Typical Properties

Properties	Test Method	Unit	Typical Value
Melt Index	ISO 1133	g/10min	27
Density	ISO 1183	g/cm ³	1.41
Rockwell Hardness	ISO 2039-2	M	80
Flexural Strength	ISO 178	MPa	90
Flexural Modulus	ISO 178	MPa	2550
Tensile Strength (at yield point)	ISO 527-2/1A	MPa	63
Tensile Elongation (at break point)	ISO 527-2/1A	%	30
Charpy Impact Strength (notched)	ISO 179-1, 179-2	KJ/m ²	5.5
Izod Impact Strength (notched)	ISO 180/1A	KJ/m ²	5.5
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	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 ¹³
Surface Resistivity	IEC 60093	Ω	1x10 ¹⁵
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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