

Duratel MF9-GF10

Acetal (POM) Copolymer

Custom Resins Group

Message:

Duratel MF9-GF10 is 10% glass fiber reinforced general purpose acetal co-polymer. Duratel MF9-GF10 has increased strength and stiffness over unreinforced acetal. MF9-GF10 retains the chemical resistance and lubricity inherent in acetal materials. This product is suitable for brackets and levers, valve bodies, and other applications requiring this unique blend of properties.

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	Copolymer		
	Good Chemical Resistance		
	Good Stiffness		
	Good Strength		
Uses	Fasteners		
	Valves/Valve Parts		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.46	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.90 to 1.2	%	
Viscosity	9.00		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	72.4	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	4300	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	150	°C	ASTM D648
Peak Melting Temperature	166	°C	ASTM D3418

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Recommended distributors for this material

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