

Duratel MF9-PT20

Acetal (POM) Copolymer

Custom Resins Group

Message:

Duratel MF9 is an un-reinforced general purpose acetal co-polymer. Duratel MF9 has the high creep resistance, wear resistance, and outstanding chemical resistance inherent in acetal resins. MF9 is suitable for such applications as clips, fasteners, gears, bushings and bearings, and other uses where long term creep and wear resistance are required

General Information			
Features	Copolymer Good Chemical Resistance Good Creep Resistance Good Wear Resistance		
Uses	Bearings Bushings Closures Fasteners Gears		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.8 to 2.2	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	62.0	MPa	ASTM D638
Tensile Elongation (Break)	13	%	ASTM D638
Flexural Modulus	1710	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	57	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	115	°C	ASTM D648
Peak Melting Temperature	166	°C	ASTM D3418

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

