

Duratel MF27

Acetal (POM) Copolymer

Custom Resins Group

Message:

Duratel MF27 is an unreinforced high-flow acetal co-polymer. Duratel MF27 has the high creep resistance, wear resistance, and outstanding chemical resistance inherent in acetal resins. MF27 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		
	High Flow		
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)	64.8	MPa	ASTM D638
Tensile Elongation (Break)	8.0	%	ASTM D638
Flexural Modulus	2600	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	38	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	120	°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

