

# Duratel MF3

Acetal (POM) Copolymer

Custom Resins Group

## Message:

Duratel MF3 is a high-viscosity acetal co-polymer. Duratel MF3 has slightly higher toughness than standard MF9, and parts molded with MF3 should have thicker wall sections and shorter flow lengths to accommodate the higher viscosity. MF3 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 Creep Resistance		
	Good Toughness		
	Good Wear Resistance		
	High Viscosity		
Uses	Bearings		
	Bushings		
	Closures		
	Fasteners		
	Gears		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	1.8 to 2.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	62.0	MPa	ASTM D638
Tensile Elongation (Break)	13	%	ASTM D638
Flexural Modulus	2400	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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

