

# Duratel MF9 UV BK

Acetal (POM) Copolymer

Custom Resins Group

## Message:

Duratel MF9 UV BK is an acetal co-polymer. Duratel MF9 UV BK has the high creep resistance, wear resistance, and outstanding chemical resistance inherent in acetal resins, while adding UV resistance for improved appearance and lifespan in exposed conditions. Duratel MF9 UV BK is suitable for such applications as clips, fasteners, and other uses where long term creep and wear resistance are required.

General Information			
Additive	UV Stabilizer		
Features	Copolymer		
	Good Chemical Resistance		
	Good UV Resistance		
	Good Wear Resistance		
Uses	Closures		
	Fasteners		
Appearance	Black		
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 2.2	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	60.0	MPa	ASTM D638
Tensile Elongation (Break)	8.0	%	ASTM D638
Flexural Modulus	2480	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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