

## Oxford Polymers C-Acetal 10MF-900 BK Acetal

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Homopolymer, Unreinforced

### Material Notes:

Product Description: Acetal Injection Molding Grade, 10 melt flow Processing and Delivery Form: Pellets and Injection MoldingSpecial

Characteristics: Pre-colored blackInformation provided by Oxford Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Oxford-Polymers-C-Acetal-10MF-900-BK-Acetal.php](http://www.lookpolymers.com/polymer_Oxford-Polymers-C-Acetal-10MF-900-BK-Acetal.php)

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in <sup>3</sup>	ASTM D792
Water Absorption at Saturation	0.200 %	0.200 %	ASTM D570
Linear Mold Shrinkage, Flow	0.0220 cm/cm @Thickness 3.17 mm	0.0220 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	53.8 MPa	7800 psi	ASTM D638
Elongation at Break	10.0 %	10.0 %	ASTM D638
Flexural Strength	68.9 MPa	10000 psi	ASTM D790
Flexural Modulus	3.14 GPa	455 ksi	ASTM D790
Izod Impact, Notched	0.427 J/cm @Thickness 3.17 mm	0.800 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	107 °C	225 °F	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	177 - 193 °C	350 - 380 °F	
Middle Barrel Temperature	182 - 199 °C	360 - 390 °F	
Front Barrel Temperature	188 - 204 °C	370 - 400 °F	
Nozzle Temperature	188 - 204 °C	370 - 400 °F	
Melt Temperature	182 - 218 °C	360 - 425 °F	
Mold Temperature	79.4 - 107 °C	175 - 225 °F	

Processing Properties	Metric <sup>°C</sup>	English <sup>°F</sup>	Comments
Dry Time	2.00 - 3.00 hour	2.00 - 3.00 hour	

## Contact Songhan Plastic Technology Co.,Ltd.

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