

# MAXATEL® AC90LW-NAT

Acetal (POM) Copolymer

Pier One Polymers, Inc.

## Message:

MAXATEL®AC90LW-NAT is a polyoxymethylene (POM) copolymer material. This product is available in North America and is processed by injection molding.

MAXATEL®The main features of the AC90LW-NAT are:

Copolymer

Wear-resistant

General Information			
Features	Copolymer		
	Good wear resistance		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	9.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	2.2	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	60.7	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	60	%	ASTM D638
Flexural Modulus (23°C)	2590	MPa	ASTM D790
Flexural Strength (23°C)	89.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	67	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	98.0	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	110	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	182 - 198	°C	
Mold Temperature	76 - 93	°C	

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Recommended distributors for this material

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