

# Pier One POM AH500TF4 NC010

Acetal (POM) Homopolymer

Pier One Polymers, Inc.

## Message:

Pier One POM AH500TF4 NC010 is an Acetal (POM) Homopolymer material filled with 4.0% ptfe fiber. It is available in North America for injection molding. Primary attribute of Pier One POM AH500TF4 NC010: Homopolymer.

General Information			
Filler / Reinforcement	PTFE Fiber,4.0% Filler by Weight		
Features	Homopolymer		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/1.05 kg)	5.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	63.5	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	10	%	ASTM D638
Flexural Modulus (23°C)	3100	MPa	ASTM D790
Flexural Strength (23°C)	89.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	54	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	99.0	°C	ASTM D648
Peak Melting Temperature	177	°C	ASTM D3418
Injection	Nominal Value	Unit	
Drying Temperature	79.0	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	195 to 215	°C	
Mold Temperature	40.0 to 60.0	°C	

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Recommended distributors for this material

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