

MAXATEL® AH500AL-NC010

Acetal (POM) Homopolymer

Pier One Polymers, Inc.

Message:

MAXATEL®AH500AL-NC010 is a polyoxymethylene (POM) homopolymer material. This product is available in North America and is processed by injection molding.

MAXATEL®The main features of the AH500AL-NC010 are:

Homopolymer

Lubrication

General Information			
Additive	Lubricant		
Features	Homopolymer		
	Lubrication		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.39	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/1.05 kg)	6.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	65.5	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	40	%	ASTM D638
Flexural Modulus (23°C)	3030	MPa	ASTM D790
Flexural Strength (23°C)	91.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	64	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	108	°C	ASTM D648
Peak Melting Temperature	176	°C	ASTM D3418
Injection	Nominal Value	Unit	
Drying Temperature	79	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	195 - 215	°C	
Mold Temperature	80 - 100	°C	

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