

MAXATEL® AH800AVL-NAT

Acetal (POM) Homopolymer

Pier One Polymers, Inc.

Message:

AH800AVL is a homopolymer acetal with an advanced lubrication package added to provide superior performance for applications requiring low wear and/or a low coefficient of friction against steel, itself, or other polymers.

General Information			
Additive	Lubricant		
Features	Low friction coefficient		
	Homopolymer		
	Good wear resistance		
	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)	7.0 - 9.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	68.9	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	30	%	ASTM D638
Flexural Modulus (23°C)	3900	MPa	ASTM D790
Flexural Strength (23°C)	89.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	70	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 - 4.0	hr	
Processing (Melt) Temp	195 - 215	°C	
Mold Temperature	80 - 100	°C	

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