MAXATEL® AC800AVL-NAT

Acetal (POM) Copolymer

Pier One Polymers, Inc.

Message:

AC800AVL is a copolymer acetal with an ultra-high molecular weight siloxane polymer added to provide advanced lubrication for applications requiring low wear and/or coefficient of friction against steel, itself, or other polymers.

General Information			
Additive	Lubricant		
Features	Low friction coefficient Copolymer Good wear resistance Lubrication		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.40	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/1.05 kg)	8.0 - 10	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (23°C)	58.6	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	35	%	ASTM D638
Flexural Modulus (23°C)	2480	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)	110	°C	ASTM D648
Peak Melting Temperature	165	°C	ASTM D3418
Injection	**Nominal Value**	**Unit**	
Drying Temperature	110	°C	
Drying Time	2.0 - 4.0	hr	
Processing (Melt) Temp	182 - 198	°C	
Mold Temperature	76 - 93	°C	

Recommended distributors for this material

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