

Pier One POM AC GC25A BK

Acetal (POM) Copolymer

Pier One Polymers, Inc.

Message:

Pier One POM AC GC25A BK is an Acetal (POM) Copolymer material filled with 25% glass fiber. It is available in North America for injection molding. Primary attribute of Pier One POM AC GC25A BK: Copolymer.

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Features	Copolymer		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.58	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/1.05 kg)	7.0 to 9.0	g/10 min	ASTM D1238
Ash Content	22 to 28	%	ASTM D4218
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	72.4	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	5.0	%	ASTM D638
Flexural Modulus (23°C)	6550	MPa	ASTM D790
Flexural Strength (23°C)	117	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)	149	°C	ASTM D648
Peak Melting Temperature	166	°C	ASTM D3418
Injection	Nominal Value	Unit	
Drying Temperature	82.0	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	182 to 198	°C	
Mold Temperature	82.0 to 93.0	°C	

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Recommended distributors for this material

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