

# MAXATEL® AC109TF20-BK

Acetal (POM) Copolymer

Pier One Polymers, Inc.

## Message:

MAXATEL®AC109TF20-BK is a polyoxymethylene (POM) copolymer material, and its filler is 20% ptfe fiber. This product is available in North America and is processed by injection molding. MAXATEL®The main characteristics of the AC109TF20-BK are: copolymer.

General Information			
Filler / Reinforcement	PTFE fiber, 20% filler by weight		
Features	Copolymer		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/1.05 kg)	9.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	55.2	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	12	%	ASTM D638
Flexural Modulus (23°C)	2760	MPa	ASTM D790
Flexural Strength (23°C)	96.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	48	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	95.0	°C	ASTM D648
Peak Melting Temperature	168	°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	40 - 60	°C	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: [sales@su-jiao.com](mailto:sales@su-jiao.com)

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

