

Clariant Acetal CP-MF5

Acetal (POM) Copolymer

Clariant Corporation

Message:

Clariant Acetal CP-MF5 is an Acetal (POM) Copolymer material. It is available in North America for injection molding.

General Information			
Features	General Purpose		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	2.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	58.6	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	2070	MPa	ASTM D790
Flexural Strength	68.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	158	°C	
1.8 MPa, Unannealed	110	°C	
Melting Temperature	167	°C	
Injection	Nominal Value	Unit	
Drying Temperature	110	°C	
Drying Time	2.0	hr	
Suggested Max Regrind	25	%	
Rear Temperature	171 to 182	°C	
Middle Temperature	185 to 193	°C	
Front Temperature	196 to 202	°C	
Nozzle Temperature	204 to 218	°C	
Mold Temperature	60.0 to 90.6	°C	
Injection Pressure	34.5 to 138	MPa	
Back Pressure	0.00 to 10.3	MPa	
Screw Speed	30 to 60	rpm	

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Recommended distributors for this material

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