

# Clariant Acetal CP-G25

Acetal (POM) Copolymer

Clariant Corporation

Message:

Clariant Acetal CP-G25 is an Acetal (POM) Copolymer material filled with 25% glass fiber. It is available in North America for injection molding.

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.58	g/cm³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	97.2	MPa	ASTM D638
Tensile Elongation (Yield)	3.0	%	ASTM D638
Flexural Modulus	10200	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	160	°C	ASTM D648
Melting Temperature	175	°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 93.3	°C	
Injection Pressure	55.2 to 138	MPa	
Back Pressure	0.00 to 4.83	MPa	
Screw Speed	30 to 60	rpm	

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Recommended distributors for this material

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