

Clariant Acetal HP-GF-20

Acetal (POM) Homopolymer

Clariant Corporation

Message:

Clariant Acetal HP-GF-20 is an Acetal (POM) Homopolymer material filled with 20% glass fiber. It is available in North America for injection molding.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.56	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	59.3	MPa	ASTM D638
Tensile Elongation (Yield)	15	%	ASTM D638
Flexural Modulus	4340	MPa	ASTM D790
Flexural Strength (Yield)	97.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	39	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	152	°C	ASTM D648
Melting Temperature	177	°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	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

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

