

Hostaform® XGC25-LW01

Acetal (POM) Copolymer

Celanese Corporation

Message:

Hostaform® XGC25-LW01 is an injection molding grade reinforced with approx. 25% glass fibers and tribological modification for sliding applications requiring low friction and wear.

General Information			
UL YellowCard	E38860-102126292		
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Features	Copolymer		
	Good Wear Resistance		
	Low Friction		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.52	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/5.0 kg)	1.50	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.90	%	
Flow	0.80	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8100	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	135	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.5	%	ISO 527-2/1A/5
Flexural Modulus (23°C)	8000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	13	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	60	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	161	°C	ISO 75-2/A
Melting Temperature ¹	166	°C	ISO 11357-3
NOTE			
1.	10°C/min		

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