

Hostaform® XGC10

Acetal (POM) Copolymer

Celanese Corporation

Message:

Hostaform® XGC10 is a Polyacetalcopolymer reinforced with approx. 10% glass fibres. Compared to the Hostaform® C 9021 GV 1/10 Hostaform® XGC10 has a higher strength.

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	Copolymer		
	Good Strength		
RoHS Compliance	Contact Manufacturer		
Physical	Nominal Value	Unit	Test Method
Density	1.48	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	3.00	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.0	%	
Flow	1.5	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4700	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	110	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	4.9	%	ISO 527-2/1A/5
Flexural Modulus (23°C)	4200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.5	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)	154	°C	ISO 75-2/A
Melting Temperature ¹	166	°C	ISO 11357-3
CLTE			ISO 11359-2
Flow	6.0E-5	cm/cm/°C	
Transverse	8.0E-5	cm/cm/°C	
NOTE			
1.	10°C/min		

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