



Hostaform® XGC25

Celanese Corporation - Acetal (POM) Copolymer

Sunday, November 3, 2019

General Information

Product Description

Hostaform® XGC25 is a Polyacetalcopolymer reinforced with approx. 25% glass fibres. Compared to the Hostaform® C 9021 GV 1/30 Hostaform® XGC25 has a higher strength.

General

Material Status	• Experimental: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber, 25% Filler by Weight		
Features	• Copolymer	• Good Strength	
RoHS Compliance	• Contact Manufacturer		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.59	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/5.0 kg)	4.80	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.95	%	
Flow	0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1.31E+6	psi	ISO 527-2/1A/1
Tensile Stress (Break)	22500	psi	ISO 527-2/1A/5
Tensile Strain (Break)	3.5	%	ISO 527-2/1A/5
Flexural Modulus (73°F)	1.20E+6	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F	5.2	ft·lb/in ²	
73°F	6.2	ft·lb/in ²	
Charpy Unnotched Impact Strength (73°F)	33	ft·lb/in ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (264 psi, Unannealed)	322	°F	ISO 75-2/A
Melting Temperature ²	331	°F	ISO 11357-3
CLTE - Flow	1.7E-5	in/in/°F	ISO 11359-2
CLTE - Transverse	3.3E-5	in/in/°F	ISO 11359-2

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	212 to 248	°F
Drying Time	3.0 to 4.0	hr
Suggested Max Moisture	0.15	%
Hopper Temperature	68 to 86	°F
Rear Temperature	338 to 356	°F
Middle Temperature	356 to 374	°F
Front Temperature	374 to 392	°F

Hostaform® XGC25

Celanese Corporation - Acetal (POM) Copolymer

Injection	Nominal Value	Unit
Nozzle Temperature	374 to 410	°F
Processing (Melt) Temp	374 to 410	°F
Mold Temperature	176 to 248	°F
Injection Pressure	8700 to 17400	psi
Injection Rate	Slow	
Holding Pressure	8700 to 17400	psi
Back Pressure	0.00 to 290	psi

Injection Notes

Manifold Temperature: 190 to 210°C

Zone 4 Temperature: 190 to 210°C

Feed Temperature: 60 to 80°C

Notes

¹ Typical properties: these are not to be construed as specifications.

² 10°C/min