



## Bergaform™ C400

Acetal (POM) Copolymer

### Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Processing Method	• Injection Molding

### Technical Properties <sup>1</sup>

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.39 to 1.43 g/cm <sup>3</sup>	1.39 to 1.43 g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	11 to 15 g/10 min	11 to 15 g/10 min	ISO 1133
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	399000 psi	2750 MPa	ISO 527-2
Tensile Stress (Yield)	9140 psi	63.0 MPa	ISO 527-2
Tensile Strain (Yield)	10 %	10 %	ISO 527-2
Tensile Strain (Break)	25 %	25 %	ISO 527-2
Flexural Modulus	363000 psi	2500 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	2.9 ft·lb/in <sup>2</sup>	6.0 kJ/m <sup>2</sup>	ISO 179
Charpy Unnotched Impact Strength 73°F (23°C)	No Break	No Break	ISO 179
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Heat Deflection Temperature 66 psi (0.45 MPa), Unannealed	320 °F	160 °C	ISO 75-2/B
Heat Deflection Temperature 264 psi (1.8 MPa), Unannealed	230 °F	110 °C	ISO 75-2/A
Vicat Softening Temperature	302 °F	150 °C	ISO 306
Melting Temperature (DSC)	329 to 338 °F	165 to 170 °C	ISO 3146
Electrical	Typical Value (English)	Typical Value (SI)	Test Method
Comparative Tracking Index	600 V	600 V	IEC 60112
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.13 in (3.2 mm))	HB	HB	UL 94
FMVSS Flammability	< 3.9 in/min	< 100 mm/min	DIN 75200

### Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 to 212 °F	80 to 100 °C
Drying Time	4.0 hr	4.0 hr
Processing (Melt) Temp	374 to 410 °F	190 to 210 °C
Mold Temperature	167 to 212 °F	75 to 100 °C

### Notes

<sup>1</sup> Typical values are not to be construed as specifications.

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