



Technical Data Sheet

Phenom[®] O2600 G25

25% Glass Reinforced Polyacetal (POM) Copolymer

Date: January, 2008

General

Features	Excellent chemical resistance Very low coefficient of friction and water absorption Very good stiffness
Appearance	Off white or pigmented Pellets
Processes	Injection molding

Typical Compound Properties^(a)

Physical	Nominal Values		Test Methods ^(b)
	English Units	Metric Units	
Melt Point	329 °F	165 °C	ASTM D789
Specific Gravity	1.58	1.58	ASTM D792
Water Absorption	0.27%	0.27%	ASTM D570
Linear Mold Shrinkage	0.004 in/in	0.004 mm/mm	ASTM D955
Hardness, Rockwell Scale	M84	M84	ASTM D785
Coefficient of Linear Thermal Expansion	2.40 x 10 ⁻⁵ in/in °F	4.32 x 10 ⁻⁵ cm/cm °C	ASTM D696
Reinforcement Content	25±2%	25±2%	ASTM D2584

Mechanical

Notched Izod Impact @ 73 °F (23 °C)	1.2 ft-lb/in.	69.4 J/m	ASTM D256
Tensile Strength @ Yield	10,500 psi	72.4 MPa	ASTM D638
Elongation @ Break	2%	2%	ASTM D638
Flexural Strength	17,000 psi	117.2 MPa	ASTM D790
Flexural Modulus, tangent	950,000 psi	6,552 MPa	ASTM D790
Heat Deflection Temperature			
@ 66 psi (0.455 MPa)	320 °F	160 °C	ASTM D648
@ 264 psi (1.82 MPa)	300 °F	149 °C	ASTM D648

(a) Values shown represent nominal averages and are not to be construed as product specifications.

(b) ASTM methods are the latest under the Society's current Procedures. All Molded specimens are prepared by injection molding.

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