



# Technical Data Sheet

## Phenom<sup>®</sup> O2600 PT20

### 25% PTFE Modified 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<sup>(a)</sup>

Physical	Nominal Values		Test Methods <sup>(b)</sup>
	English Units	Metric Units	
Melt Point	329 °F	165 °C	ASTM D789
Specific Gravity	1.51	1.51	ASTM D792
Water Absorption	0.20%	0.20%	ASTM D570
Linear Mold Shrinkage	0.020 in/in	0.020 mm/mm	ASTM D955
Hardness, Rockwell Scale	R112	R112	ASTM D785
Coefficient of Linear Thermal Expansion	5.50 x 10 <sup>-5</sup> in/in °F	9.90 x 10 <sup>-5</sup> cm/cm °C	ASTM D696
Lubricant Content	20±2%	20±2%	TGA

#### Mechanical

Notched Izod Impact @ 73 °F (23 °C)	0.7 ft-lb/in.	37.4 J/m	ASTM D256
Tensile Strength @ Yield	6,100 psi	42.1 MPa	ASTM D638
Elongation @ Break	16%	16%	ASTM D638
Flexural Strength	9,500 psi	65.5 MPa	ASTM D790
Flexural Modulus, tangent	315,000 psi	2,172 MPa	ASTM D790
Heat Deflection Temperature			
@ 66 psi (0.455 MPa)	305 °F	152 °C	ASTM D648
@ 264 psi (1.82 MPa)	208 °F	98 °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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