



Technical Data Sheet

Phoeneos® P2100 GC20

20% Glass Coupled Polypropylene (PP) Copolymer

Date: January, 2008

General

Features	Very Good balance of structural properties Excellent chemical resistance Good impact resistance
Appearance	Off white or pigmented Pellets
Processes	Injection molding

Typical Compound Properties^(a)

Physical	Nominal Values		Test Methods ^(b)
	English Units	Metric Units	
Melt Flow Rate	4.0 g/10 min.	4.0 dg/min.	ASTM D1238, 2160 g. @ 230°C
Melt Point	334 °F	168 °C	ASTM D789
Specific Gravity	1.04	1.04	ASTM D792
Linear Mold Shrinkage	0.006 in/in	0.006 mm/mm	ASTM D955
Hardness, Rockwell Scale	R85	R85	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	20±2%	20±2%	ASTM D2584

Mechanical

Notched Izod Impact @ 73 °F (23 °C)	2.2 ft-lb/in.	117.5 J/m	ASTM D256
Tensile Strength @ Yield	6,500 psi	44.8 MPa	ASTM D638
Elongation @ Break	5%	5%	ASTM D638
Flexural Modulus, tangent	440,000 psi	3,034 MPa	ASTM D790
Heat Deflection Temperature			
@ 66 psi (0.455 MPa)	295 °F	146 °C	ASTM D648
@ 264 psi (1.82 MPa)	260 °F	127 °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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