



# Technical Data Sheet

## Phoeneos® P2100 TL20

### 20% Talc Reinforced Polypropylene (PP) Copolymer

Date: January, 2008

#### General

Features	Excellent dimensional stability Excellent chemical resistance Good impact resistance
Appearance	Off white or pigmented Pellets
Processes	Injection molding

#### Typical Compound Properties<sup>(a)</sup>

	Nominal Values		Test Methods <sup>(b)</sup>
Physical	English Units	Metric Units	
Melt Flow Rate	12.0 g/10 min.	12.0 dg/min.	ASTM D1238, 2160 g. @ 230°C
Melt Point	327 °F	164 °C	ASTM D789
Specific Gravity	1.05	1.05	ASTM D792
Linear Mold Shrinkage	0.011 in/in	0.011 mm/mm	ASTM D955
Hardness, Rockwell Scale	R85	R85	ASTM D785
Coefficient of Linear Thermal Expansion	3.30 x 10 <sup>-5</sup> in/in °F	5.94 x 10 <sup>-5</sup> cm/cm °C	ASTM D696
Reinforcement Content	20±2%	20±2%	ASTM D2584
Flammability	<2.0 in/min.	<50 mm/min	FMVSS 302

#### Mechanical

Notched Izod Impact @ 73 °F (23 °C)	1.4 ft-lb/in.	74.7 J/m	ASTM D256
Tensile Strength @ Yield	3,700 psi	25.5 MPa	ASTM D638
Elongation @ Break	15%	15%	ASTM D638
Flexural Modulus, tangent	260,000 psi	1,793 MPa	ASTM D790
Heat Deflection Temperature			
@ 66 psi (0.455 MPa)	210 °F	99 °C	ASTM D648
@ 264 psi (1.82 MPa)	155 °F	68 °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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