



Technical Data Sheet

Phoeneos® P1600 CC40

40% Calcium Carbonate Filled Polypropylene (PP) Homopolymer

Date: January, 2008

General

Features	Improved dimensional stability Excellent chemical resistance Good balance of properties
Appearance	Off white or pigmented Pellets
Processes	Injection molding

Typical Compound Properties^(a)

	Nominal Values		Test Methods ^(b)
Physical	English Units	Metric Units	
Melt Flow Rate	6.0 g/10 min.	6.0 dg/min.	ASTM D1238, 2160 g. @ 230°C
Melt Point	334 °F	168 °C	ASTM D789
Specific Gravity	1.24	1.24	ASTM D792
Linear Mold Shrinkage	0.011 in/in	0.011 mm/mm	ASTM D955
Hardness, Rockwell Scale	R80	R80	ASTM D785
Coefficient of Linear Thermal Expansion	2.80 x 10 ⁻⁵ in/in °F	5.04 x 10 ⁻⁵ cm/cm °C	ASTM D696
Filler Content	40±3%	40±3%	ASTM D2584

Mechanical

Notched Izod Impact @ 73 °F (23 °C)	0.7 ft-lb/in.	37.4 J/m	ASTM D256
Tensile Strength @ Yield	3,800 psi	26.2 MPa	ASTM D638
Elongation @ Break	10%	10%	ASTM D638
Flexural Modulus, tangent	320,000 psi	2,207 MPa	ASTM D790
Heat Deflection Temperature			
@ 66 psi (0.455 MPa)	225 °F	107 °C	ASTM D648
@ 264 psi (1.82 MPa)	160 °F	71 °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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