



Technical Data Sheet

Phoenithene® E2600 TL20

20% Talc Reinforced High Density Polyethylene (HDPE)

Date: January, 2008

General

Features	Excellent chemical resistance Improved stiffness Good dimensional stability
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	7.0 g/10 min.	7.0 dg/min.	ASTM D1238, 2160 g. @ 190°C
Melt Point	265 °F	129 °C	ASTM D789
Specific Gravity	1.12	1.12	ASTM D792
Linear Mold Shrinkage	0.018 in/in	0.018 mm/mm	ASTM D955
Hardness, Rockwell Scale	R50	R50	ASTM D785
Coefficient of Linear Thermal Expansion	5.20 x 10 ⁻⁵ in/in °F	9.36 x 10 ⁻⁵ cm/cm °C	ASTM D696
Reinforcement Content	20±2%	20±2%	ASTM D2584

Mechanical

Notched Izod Impact @ 73 °F (23 °C)	0.9 ft-lb/in.	48.1 J/m	ASTM D256
Tensile Strength @ Yield	3,600 psi	24.8 MPa	ASTM D638
Elongation @ Break	15%	15%	ASTM D638
Flexural Modulus, tangent	180,000 psi	1,241 MPa	ASTM D790
Heat Deflection Temperature			
@ 66 psi (0.455 MPa)	145 °F	63 °C	ASTM D648
@ 264 psi (1.82 MPa)	120 °F	49 °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.

Manufacturer makes no warranties as to the fitness for any purpose or the merchantability of any products referred to herein, no guarantee of satisfactory results from any use of, or reliance upon the information or data contained herein, and no guarantee that the use of any product will not infringe any patent. Manufacturer hereby disclaims all liability for any loss or damage resulting from the use of information and data contained herein.