



# Technical Data Sheet

## Phoenithene® E2600B MI25

### 25% Mica Reinforced High Density Polyethylene (HDPE) – Blow Molding Grade

Date: January, 2008

#### General

Features	Excellent chemical resistance Exceptional toughness Good dimensional stability
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 Flow Rate	8.0 g/10 min.	8.0 dg/min.	ASTM D1238, 21,600 g. @ 190°C
Melt Point	265 °F	129 °C	ASTM D789
Specific Gravity	1.13	1.13	ASTM D792
Linear Mold Shrinkage	0.015 in/in	0.015 mm/mm	ASTM D955
Hardness, Rockwell Scale	R60	R60	ASTM D785
Coefficient of Linear Thermal Expansion	5.20 x 10 <sup>-5</sup> in/in °F	9.36 x 10 <sup>-5</sup> cm/cm °C	ASTM D696
Reinforcement Content	25±2%	25±2%	ASTM D2584

#### Mechanical

Notched Izod Impact @ 73 °F (23 °C)	No Break	No Break	ASTM D256
Tensile Strength @ Yield	3,900 psi	26.9 MPa	ASTM D638
Elongation @ Break	15%	15%	ASTM D638
Flexural Strength	4,300 psi	29.0 MPa	ASTM D790
Flexural Modulus, tangent	220,000 psi	1,517 MPa	ASTM D790
Heat Deflection Temperature			
@ 66 psi (0.455 MPa)	208 °F	98 °C	ASTM D648
@ 264 psi (1.82 MPa)	150 °F	66 °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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