



Technical Data Sheet

Phoenistyr® S3600 G30

30% Glass Reinforced Styrene-Acrylonitrile (SAN) Copolymer

Date: January, 2008

General

Features	High Stiffness Excellent structural properties
Appearance	Off white opaque 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, 5000 g. @ 200°C
Specific Gravity	1.31	1.31	ASTM D792
Linear Mold Shrinkage	0.001 in/in	0.001 mm/mm	ASTM D955
Hardness, Rockwell Scale	R123	R123	ASTM D785
Coefficient of Linear Thermal Expansion	1.80 x 10 ⁻⁵ in/in °F	3.24 x 10 ⁻⁵ cm/cm °C	ASTM D696
Water Absorption	0.12%	0.12%	ASTM D785
Reinforcement Content	30±2%	30±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	16,000 psi	110.3 MPa	ASTM D638
Elongation @ Break	1%	1%	ASTM D638
Flexural Modulus, tangent	1,450,000 psi	10,000 MPa	ASTM D790
Heat Deflection Temperature			
@ 66 psi (0.455 MPa)	225 °F	107 °C	ASTM D648
@ 264 psi (1.82 MPa)	215 °F	102 °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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