



Technical Data Sheet

Phoeniflex® T2000

36,000 Flexural Modulus Thermoplastic Polyolefin (TPO)

Date: January, 2008

General

Features	Excellent low temperature impact resistance Excellent chemical resistance Excellent price to performance ratio
Appearance	Off white or pigmented Pellets
Processes	Injection molding

Typical Compound Properties^(a)

Physical	Nominal Values		Test Methods ^(b)
	English Units	Metric Units	
Melt Flow Rate	4.5 g/10 min.	4.5 dg/min.	ASTM D1238, 2160 g. @ 230°C
Melt Point	334 °F	168 °C	ASTM D789
Specific Gravity	0.905	0.905	ASTM D792
Linear Mold Shrinkage	0.013 in/in	0.013 mm/mm	ASTM D955
Hardness, Shore Scale	D45	D45	ASTM D2240
Brittle Point Temperature	< -55 °F	< -48 °C	ASTM D696

Mechanical

Tensile Strength @ Yield	1,350 psi	9.3 MPa	ASTM D638
Elongation @ Break	800%	800%	ASTM D638
Tear Strength	375 lb/in	66 kN/m	ASTM D638
Flexural Modulus, tangent	36,000 psi	248 MPa	ASTM D790
Gardner Impact @ -23 °F (-30 °C)	>160 in-lb	>18 joules	ASTM D3029

(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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