

Datasheet

Durethan BG30X 000000

PA 6, 30% glass fibers/glass spheres, injection molding, low tendency to warp

ISO Shortname: ISO 16396-PA 6,(GB+GF)30,GR,S14-060

Property	Test Condition	Unit	Standard	guide value ¹	
				dry as molded	conditioned
Mechanical properties (23 °C/50 % r. h.)					
Tensile modulus	1 mm/min	lb/in ²	ASTM D 638	899000	507000
Tensile elongation at break	-	%	ASTM D 638	4.0	9.0
Tensile stress at break	-	lb/in ²	ASTM D 638	18100	9400
Izod notched impact strength	73 °F, 0.125 in	ft-lb/in	ASTM D 256	1.1	2.6
Izod notched impact strength	-40 °F; 0.125 in	ft-lb/in	ASTM D 256	0.9	0.9
Flexural strength		lb/in ²	ASTM D 790	28300	16000
Flexural modulus	-	lb/in ²	ASTM D 790	798000	406000
Thermal properties					
Deflection temperature under load, Unannealed	66 psi; 0.157 in	°F	ASTM D 648	392	
Deflection temperature under load, Unannealed	264 psi; 0.157 in	°F	ASTM D 648	356	
Other properties (23 °C)					
Density		lb/in ³	ASTM D 792	0.049	
Specific gravity		-	ASTM D 792	1.35	

Notes

¹ Typical properties: these are not to be construed as specifications

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Typical Properties

Property data is provided as general information only. Property values are approximate and are not part of the product specifications.

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