

Datasheet

Durethan BM240H2.0 901510

PA 6, 40% mineral, injection molding, heat-aging stabilized, low tendency to warp, isotropic properties

ISO Shortname: ISO 16396-PA 6,MD40,GHR,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	870000	290000
Tensile elongation at break	-	%	ASTM D 638	9.0	35
Tensile stress at break	-	lb/in ²	ASTM D 638	12300	7300
Izod notched impact strength	73 °F, 0.125 in	ft-lb/in	ASTM D 256	1.2	1.5
Izod notched impact strength	-40 °F; 0.125 in	ft-lb/in	ASTM D 256	0.7	0.7
Flexural strength		lb/in ²	ASTM D 790	22500	9400
Flexural modulus	-	lb/in ²	ASTM D 790	783000	261000
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	221	
Other properties (23 °C)					
Density		lb/in ³	ASTM D 792	0.053	
Specific gravity		-	ASTM D 792	1.46	

Notes

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

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

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