

Datasheet

Durethan BKV15 000000

PA 6-Copolymer, 15% glass fibers, injection molding
 ISO Shortname: ISO 16396-PA 6/66,GF15,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	450000
Tensile elongation at break	-	%	ASTM D 638	3.0	5.0
Tensile stress at break	-	lb/in ²	ASTM D 638	18900	10200
Izod notched impact strength	73 °F; 0.125 in	ft-lb/in	ASTM D 256	1.2	4.7
Izod notched impact strength	-40 °F; 0.125 in	ft-lb/in	ASTM D 256	1.0	1.0
Flexural strength		lb/in ²	ASTM D 790	29000	17400
Flexural modulus	-	lb/in ²	ASTM D 790	783000	420000
Thermal properties					
Deflection temperature under load, Unannealed	66 psi; 0.157 in	°F	ASTM D 648	419	
Deflection temperature under load, Unannealed	264 psi; 0.157 in	°F	ASTM D 648	392	
Other properties (23 °C)					
Density		lb/in ³	ASTM D 792	0.044	
Specific gravity		-	ASTM D 792	1.23	

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.

Flammability

Flammability results are based on small-scale laboratory tests for purposes of relative comparison and are not intended to reflect the hazards presented by this or any other material under actual fire conditions.

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