

# Datasheet

## Durethan BKV50H2.0 901510

PA 6, 50% glass fibers, injection molding, heat-aging stabilized

ISO Shortname: ISO 16396-PA 6,GF50,GHR,S14-160

Property	Test Condition	Unit	Standard	guide value <sup>1</sup>	
				dry as molded	conditioned
<b>Mechanical properties (23 °C/50 % r. h.)</b>					
Tensile modulus	1 mm/min	lb/in <sup>2</sup>	ASTM D 638	2176000	1378000
Tensile elongation at break	-	%	ASTM D 638	2.0	4.0
Tensile stress at break	-	lb/in <sup>2</sup>	ASTM D 638	30500	21800
Izod notched impact strength	73 °F; 0.125 in	ft-lb/in	ASTM D 256	3.1	3.7
Izod notched impact strength	-40 °F; 0.125 in	ft-lb/in	ASTM D 256	2.5	2.5
Flexural strength		lb/in <sup>2</sup>	ASTM D 790	50800	31900
Flexural modulus	-	lb/in <sup>2</sup>	ASTM D 790	1958000	1116000
<b>Thermal properties</b>					
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	
<b>Other properties (23 °C)</b>					
Density		lb/in <sup>3</sup>	ASTM D 792	0.057	
Specific gravity		-	ASTM D 792	1.57	

Notes

<sup>1</sup> 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.

#### 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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