

Datasheet

Durethan BKV140 000000

PA 6-Copolymer, 40% glass fibers, injection molding, improved impact strength

ISO Shortname: ISO 16396-PA 6/66-I,GF40,GR,S14-110

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/in²	ASTM D 638	1595000	1015000
Tensile elongation at break	-	%	ASTM D 638	3.0	6.0
Tensile stress at break	-	lb/in²	ASTM D 638	26100	17400
Izod notched impact strength	73 °F, 0.125 in	ft-lb/in	ASTM D 256	4.1	4.9
Izod notched impact strength	-40 °F; 0.125 in	ft-lb/in	ASTM D 256	2.6	2.6
Flexural strength		lb/in²	ASTM D 790	43500	27600
Flexural modulus	-	lb/in²	ASTM D 790	1479000	914000
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/in³	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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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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