

Data sheet

Durethan BKV30H2.0 000000

PA 6, 30 % glass fibers, injection molding, heat-aging stabilized

ISO / ASTM

ISO Shortname: ISO 16396-PA 6,GF30,GHR,S14-100

Property	Test Condition	Unit	Standard	guide value	
				dry as molded	conditioned
Mechanical properties (23 °C/50 % r. h.)					
Tensile modulus	1 mm/min	lb/in²	ASTM D 638	1334000	812000
Tensile elongation at break	-	%	ASTM D 638	3.0	6.0
Tensile stress at break	-	lb/in²	ASTM D 638	26100	14500
Izod notched impact strength	73 °F, 0.125 in	ft·lb/in	ASTM D 256	2.2	2.8
Izod notched impact strength	-40 °F; 0.125 in	ft·lb/in	ASTM D 256	1.9	1.9
Flexural strength		lb/in²	ASTM D 790	40600	24600
Flexural modulus	-	lb/in²	ASTM D 790	1204000	725000
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	0.049	
Specific gravity		-	ASTM D 792	1.36	

Disclaimer

Standard Disclaimer

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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.

Health and Safety

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling LANXESS products mentioned in this publication. Before working with these products, you must read and become familiar with the available information on their hazards, proper use, and handling. This cannot be overemphasized. Information is available in several forms, e.g., material safety data sheets (MSDS) and product labels. Consult your LANXESS Corporation representative or contact the Product Safety and Regulatory Affairs Department at LANXESS. For materials that are not LANXESS products, appropriate industrial hygiene and other safety precautions recommended by their manufacturer(s) must be followed.

Regulatory Compliance

Some of the end uses of the products described in this brochure must comply with applicable regulations, such as the FDA, NSF, USDA and CPSC. If you have any questions on the regulatory status of any LANXESS engineering thermoplastic, consult your LANXESS Corporation representative or contact the LANXESS Regulatory Affairs Manager.

Color and Visual Effects

Type and quantity of pigments or additives used to obtain certain colors and special visual effects can affect mechanical properties.

LANXESS Corporation | Pittsburgh, PA 15275

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