Durethan AKV15H3.0 000000

PA 66, 15% glass fibers, injection molding, heat-aging stabilized

ISO Shortname: ISO 16396-PA 66,GF15,GHR,S14-060

Property	Test Condition	Unit	Standard	guide value [1] dry as molded	guide value [1] conditioned
Mechanical properties (23 °C/50 % r. h.)					
Tensile modulus		lb/in²	ASTM D 638	943000	577000
Tensile elongation at break		%	ASTM D 638	3.0	8.0
Tensile stress at break		lb/in²	ASTM D 638	17600	12700
Flexural strength		lb/in²	ASTM D 790	30500	19600
Flexural modulus		lb/in²	ASTM D 790	812000	522000

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

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Disclaimer

Disclaimer for commercial products

This information and our technical advice - whether verbal, in writing or by way of trials - are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to verify the information currently provided - especially that contained in our safety data and technical information sheets - and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General Conditions of Sale and Delivery.

Test values

Unless specified to the contrary, the values given have been established on standardized test specimens at room temperature. The figures should be regarded as guide values only and not as binding minimum values. Kindly note that, under certain conditions, the properties can be affected to a considerable extent by the design of the mould/die, the processing conditions and the coloring.

Processing note

Under the recommended processing conditions small quantities of decomposition product may be given off during processing. To preclude any risk to the health and well-being of the machine operatives, tolerance limits for the work environment must be ensured by the provision of efficient exhaust ventilation and fresh air at the workplace in accordance with the Safety Data Sheet. In order to prevent the partial decomposition of the polymer and the generation of volatile decomposition products, the prescribed processing temperatures should not be substantially exceeded. Since excessively high temperatures are generally the result of operator error or defects in the heating system, special care and controls are essential in these areas.

Conditioning

Conditioning in accordance with ISO 1110 (70 °C; 62 % r.h.)