

Datasheet

Durethan AKV35H3.0 000000

PA 66, 35% glass fibers, injection molding, heat-aging stabilized

ISO Shortname: ISO 16396-PA 66,GF35,GHR,S14-110

Property	Test Condition	Unit	Standard	guide value ¹	
				dry as molded	conditioned
Mechanical properties (23 °C/50 % r. h.)					
Tensile modulus		lb/in ²	ASTM D 638	1491000	985000
Tensile elongation at break		%	ASTM D 638	3.0	6.0
Tensile stress at break		lb/in ²	ASTM D 638	26000	18100
Flexural strength		lb/in ²	ASTM D 790	42100	29000
Flexural modulus		lb/in ²	ASTM D 790	1218300	855700

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.

Health and Safety

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling Envalior 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 Envalior representative or contact the Product Safety and Regulatory Affairs Department. For materials that are not Envalior products, appropriate industrial hygiene and other safety precautions recommended by their manufacturer(s) must be followed.

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Color and Visual Effects

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

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