

# Datasheet

## Durethan AKV30GH2.0 900051 SR1

PA 66, 30% glass fibers, injection molding, heat-aging stabilized, improved surface finish

ISO Shortname: ISO 16396-PA 66,GF30,GHR,S14-100

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		lb/in <sup>2</sup>	ASTM D 638	1280000	
Tensile elongation at break		%	ASTM D 638	3.0	
Tensile stress at break		lb/in <sup>2</sup>	ASTM D 638	25300	
Izod notched impact strength	73 °F, 0.125 in	ft·lb/in	ASTM D 256	2.2	
Flexural strength		lb/in <sup>2</sup>	ASTM D 790	39200	
Flexural modulus		lb/in <sup>2</sup>	ASTM D 790	1150000	
<b>Thermal properties</b>					
Deflection temperature under load, Unannealed	66 psi; 0.157 in	°F	ASTM D 648	> 480	
<b>Other properties (23 °C)</b>					
Density		lb/in <sup>3</sup>	ASTM D 792	0.049	
Specific gravity		-	ASTM D 792	1.36	

Notes

<sup>1</sup> 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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#### 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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