

Datasheet

Durethan BC30S 000000

PA 6, non-reinforced, injection molding, improved impact strength

ISO Shortname: ISO 16396-PA 6-I,,GR,S14-030

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	445000	174000
Tensile stress at yield		lb/in ²	ASTM D 638	11000	5800
Tensile elongation at yield		%	ASTM D 638	4	20
Izod notched impact strength	73 °F; 0.125 in	ft-lb/in	ASTM D 256	1.2	15
Izod notched impact strength	-22 °F; 0.125 in	ft-lb/in	ASTM D 256	1.1	
Flexural strength		lb/in ²	ASTM D 790	16000	6500
Flexural modulus		lb/in ²	ASTM D 790	360000	106000
Thermal properties					
Deflection temperature under load, Unannealed	66 psi; 0.157 in	°F	ASTM D 648	360	
Deflection temperature under load, Unannealed	264 psi; 0.157 in	°F	ASTM D 648	150	
Other properties (23 °C)					
Density		lb/in ³	ASTM D 792	0.04	

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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