

Datasheet

Durethan BKV15H2.0 901510 SR1

PA 6-Copolymer, 15% glass fibers, injection molding, heat-aging stabilized

ISO Shortname: ISO 16396-PA 6/66,GF15,GHR,S14-060

| Property | Test Condition | Unit | Standard | guide value ¹ | |
|---|-------------------|--------------------|------------|--------------------------|-------------|
| | | | | dry as molded | conditioned |
| Mechanical properties (23 °C/50 % r. h.) | | | | | |
| Tensile modulus | 1 mm/min | lb/in ² | ASTM D 638 | 899000 | 450000 |
| Tensile elongation at break | - | % | ASTM D 638 | 3.0 | 5.0 |
| Tensile stress at break | - | lb/in ² | ASTM D 638 | 18900 | 10200 |
| Izod notched impact strength | 73 °F; 0.125 in | ft-lb/in | ASTM D 256 | 1.2 | 4.7 |
| Izod notched impact strength | -40 °F; 0.125 in | ft-lb/in | ASTM D 256 | 1.0 | 1.0 |
| Flexural strength | | lb/in ² | ASTM D 790 | 29000 | 17400 |
| Flexural modulus | - | lb/in ² | ASTM D 790 | 783000 | 420000 |
| 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/in ³ | ASTM D 792 | 0.044 | |
| Specific gravity | | - | ASTM D 792 | 1.23 | |

Notes

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

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