

Datasheet

Durethan BKV30H2.0 901510

PA 6, 30% glass fibers, injection molding, heat-aging stabilized

ISO Shortname: ISO 16396-PA 6,GF30,GHR,S14-090

| 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 | 1334000 | 812000 |
| Tensile elongation at break | - | % | ASTM D 638 | 3.0 | 7.0 |
| Tensile stress at break | - | lb/in ² | ASTM D 638 | 24200 | 14500 |
| Izod notched impact strength | 73 °F, 0.25 in | ft-lb/in | ASTM D 256 | 2.2 | 4.5 |
| Izod notched impact strength | -40 °F; 0.25 in | ft-lb/in | ASTM D 256 | 1.6 | 1.5 |
| Flexural strength | | lb/in ² | ASTM D 790 | 40600 | 24600 |
| Flexural modulus | - | lb/in ² | ASTM D 790 | 1204000 | 725000 |
| Thermal properties | | | | | |
| Deflection temperature under load, Unannealed | 66 psi; 0.250 in | °F | ASTM D 648 | 427 | |
| Deflection temperature under load, Unannealed | 264 psi; 0.250 in | °F | ASTM D 648 | 408 | |
| Other properties (23 °C) | | | | | |
| Density | | lb/in ³ | ASTM D 792 | 0.049 | |
| Specific gravity | | - | ASTM D 792 | 1.36 | |

Notes

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

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