

## Datasheet

### Durethan BG30XH3.0LT 904040

PA 6, 30% glass fibers/glass spheres, injection molding, heat-aging stabilized, low tendency to warp, NIR-laser transparent coloring (black)

ISO Shortname: ISO 16396-PA 6,(GB+GF)30,GHR,S14-060

| Property                                 | Test Condition | Unit   | Standard   | guide value <sup>1</sup> |             |
|------------------------------------------|----------------|--------|------------|--------------------------|-------------|
|                                          |                |        |            | dry as molded            | conditioned |
| Mechanical properties (23 °C/50 % r. h.) |                |        |            |                          |             |
| Tensile modulus                          |                | lb/in² | ASTM D 638 | 900000                   | 450000      |
| Tensile elongation at break              |                | %      | ASTM D 638 | 4.0                      | 10.0        |
| Tensile stress at break                  |                | lb/in² | ASTM D 638 | 17600                    | 9100        |
| Flexural strength                        |                | lb/in² | ASTM D 790 | 28300                    | 14500       |
| Flexural modulus                         |                | lb/in² | ASTM D 790 | 841000                   | 406000      |

#### Notes

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

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### Disclaimer

#### Standard Disclaimer

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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.

#### Regulatory Compliance

Some of the end uses of the products described in this brochure must comply with applicable regulations, such as the FDA, NSF, USDA and CPSC. If you have any questions on the regulatory status of any Envalior engineering thermoplastic, consult your Envalior representative or contact the Regulatory Affairs Manager.

#### Color and Visual Effects

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