

# Datasheet

## Durethan ECOBKV40H2.0 901510

PA 6, 40% glass fibers, injection molding, heat-aging stabilized

ISO Shortname: ISO 16396-PA 6,GF40 (R),GHR,S14-120

| 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                                 | 1 mm/min          | lb/in <sup>2</sup> | ASTM D 638 | 1711000                  | 1073000     |
| Tensile elongation at break                     | -                 | %                  | ASTM D 638 | 3.0                      | 4.0         |
| Tensile stress at break                         | -                 | lb/in <sup>2</sup> | ASTM D 638 | 29000                    | 17400       |
| Izod notched impact strength                    | 73 °F; 0.125 in   | ft-lb/in           | ASTM D 256 | 3.0                      | 3.6         |
| Izod notched impact strength                    | -40 °F; 0.125 in  | ft-lb/in           | ASTM D 256 | 2.5                      | 2.5         |
| Flexural strength                               |                   | lb/in <sup>2</sup> | ASTM D 790 | 47900                    | 29000       |
| Flexural modulus                                | -                 | lb/in <sup>2</sup> | ASTM D 790 | 1566000                  | 986000      |
| <b>Thermal properties</b>                       |                   |                    |            |                          |             |
| 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                      |             |
| <b>Other properties (23 °C)</b>                 |                   |                    |            |                          |             |
| Density   |                   | lb/in <sup>3</sup> | ASTM D 792 | 0.053                    |             |
| Specific gravity                                |                   | -                  | ASTM D 792 | 1.46                     |             |

Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications

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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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