

**DURANEX® 3300H**

 Polyplastics - *Polybutylene Terephthalate*

## General Information

**Product Description**

HB, Standard

GF30% Reinforced, Toughness

**General**

|                               |  |
|-------------------------------|--|
| Material Status               | • Commercial: Active   |
| Availability                  | • Africa & Middle East      • Europe<br>• Asia Pacific                      • Latin America                      • North America |
| Filler / Reinforcement        | • Glass Fiber, 30% Filler by Weight  |
| Features                      | • Good Toughness   |
| UL File Number                | • E213445  |
| Forms                         | • Pellets  |
| Processing Method             | • Injection Molding  |
| Part Marking Code (ISO 11469) | • >PBT-GF30<   |

 Properties <sup>1</sup>

|   | Nominal Value | Unit                  | Test Method     |
|---|---------------|-----------------------|-----------------|
| <b>Physical</b>   |               |                       |                 |
| Density   | 1.53          | g/cm <sup>3</sup>     | ISO 1183        |
| Water Absorption (24 hr, 73°F, 0.0394 in)               | 0.10          | %                     | ISO 62          |
| <b>Mechanical</b>                                       |               |                       |                 |
| Tensile Stress  | 20300         | psi                   | ISO 527-2       |
| Tensile Strain (Break)                                  | 2.4           | %                     | ISO 527-2       |
| Flexural Modulus  | 1.31E+6       | psi                   | ISO 178         |
| Flexural Stress   | 31200         | psi                   | ISO 178         |
| <b>Impact</b>   |               |                       |                 |
| Charpy Notched Impact Strength (73°F)                   | 5.4           | ft·lb/in <sup>2</sup> | ISO 179/1eA     |
| <b>Hardness</b>   |               |                       |                 |
| Rockwell Hardness (M-Scale)                             | 100           |                       | ISO 2039-2      |
| <b>Thermal</b>  |               |                       |                 |
| Deflection Temperature Under Load (264 psi, Unannealed) | 410           | °F                    | ISO 75-2/A      |
| CLTE - Flow (73 to 131°F)                               | 1.1E-5        | in/in/°F              | Internal Method |
| CLTE - Transverse (73 to 131°F)                         | 5.0E-5        | in/in/°F              | Internal Method |
| <b>Electrical</b>                                       |               |                       |                 |
| Electric Strength (0.118 in)                            | 610           | V/mil                 | IEC 60243-1     |
| <b>Flammability</b>                                     |               |                       |                 |
| Flame Rating  | HB            |                       | UL 94           |
| <b>Additional Information</b>                           |               |                       |                 |
| Color Number  | EF2001        |                       |                 |

## Notes

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