

DURANEX® 3400

 Polyplastics - *Polybutylene Terephthalate*

General Information

Product Description

HB, Standard

GF40% Reinforced

General

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|-------------------------------|--|
| Material Status | • Commercial: Active |
| Availability | • Africa & Middle East • Europe • North America • Asia Pacific • Latin America |
| Filler / Reinforcement | • Glass Fiber, 40% Filler by Weight |
| UL File Number | • E213445 |
| Forms | • Pellets |
| Processing Method | • Injection Molding |
| Part Marking Code (ISO 11469) | • >PBT-GF40< |

 Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|-----------------------|-----------------|
| Density | 1.64 | g/cm ³ | ISO 1183 |
| Water Absorption (24 hr, 73°F, 0.0394 in) | 0.10 | % | ISO 62 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress | 22500 | psi | ISO 527-2 |
| Tensile Strain (Break) | 2.0 | % | ISO 527-2 |
| Flexural Modulus | 1.81E+6 | psi | ISO 178 |
| Flexural Stress | 35500 | psi | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength (73°F) | 5.7 | ft-lb/in ² | ISO 179/1eA |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (M-Scale) | 100 | | ISO 2039-2 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (264 psi, Unannealed) | 417 | °F | ISO 75-2/A |
| CLTE - Flow (73 to 131°F) | 5.6E-6 | in/in/°F | Internal Method |
| CLTE - Transverse (73 to 131°F) | 4.4E-5 | in/in/°F | Internal Method |
| Electrical | Nominal Value | Unit | Test Method |
| Volume Resistivity | 3.0E+16 | ohms·cm | IEC 60093 |
| Electric Strength (0.118 in) | 610 | V/mil | IEC 60243-1 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating | HB | | UL 94 |
| Additional Information | Nominal Value | Unit | Test Method |
| Color Number | EF2001/ED3002 | | |

Notes

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