

Ultradur® B 4406 G4 BK7110

PBT (Polybutylene Terephthalate)



Product Description

Ultradur B 4406 G4 BK7110 is an injection molding grade with 20 % glass fibers, pigmented black, for parts requiring enhanced fire resistance (eg relay housings, plug-and-socket connectors, switches, lighting components).

Applications

Typical applications include relay housings, plug-and-socket connectors, switches, and lighting components.

| PHYSICAL | ISO Test Method | Property Value |
|-----------------------------------|-----------------|----------------|
| Density, g/cm | 1183 | 1.55 |
| Viscosity Number, cm/g | 1628 | 116 |
| Moisture, % | 62 | |
| (50% RH) | | 0.2 |
| (Saturation) | | 0.4 |
| MECHANICAL | ISO Test Method | Property Value |
| Tensile Modulus, MPa | 527 | |
| 23C | | 8,500 |
| Tensile stress at break, MPa | 527 | |
| 23C | | 130 |
| Tensile strain at break, % | 527 | |
| 23C | | 2.4 |
| IMPACT | ISO Test Method | Property Value |
| Charpy Notched, kJ/m ² | 179 | |
| 23C | | 9 |
| THERMAL | ISO Test Method | Property Value |
| Melting Point, C | 3146 | 223 |
| HDT A, C | 75 | 217 |

Note

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