

Product Information

Jan 2014

Ultradur® B 4406 G4 BK7110 **PBT (Polybutylene Terephthalate)**


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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 ³	1183	1.55
Viscosity Number, cm ² /g	1628	116
Moisture, %	62	
(50% RH)		0.2
(Saturation)		0.4
MECHANICAL	ISO Test Method	Property Value
Tensile Modulus, MPa	527	
23°C		8,500
Tensile stress at break, MPa	527	
23°C		130
Tensile strain at break, %	527	
23°C		2.4
IMPACT	ISO Test Method	Property Value
Charpy Notched, kJ/m ²	179	
23°C		9
THERMAL	ISO Test Method	Property Value
Melting Point, °C	3146	223
HDT A, °C	75	217

Note

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