

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

