Ultradur® B 4520 BK00110
PBT (Polybutylene Terephthalate)

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Product Description

Ultradur B 4520 BK00110 is a medium viscosity, pigmented black, rapidly freezing injection molding grade.

Applications

Typical applications include chassis and housings for home appliances, office and sewing machines, and coil formers.

PHYSICAL	ISO Test Method	Property Value
Density, g/cm	1183	1.3
Viscosity Number, cm/g	1628	119
Moisture, %	62	
(50% RH)		0.25
(Saturation)		0.5
MECHANICAL	**ISO Test Method**	**Property Value**
Tensile Modulus, MPa	527	
23C		2,400
Tensile stress at yield, MPa	527	
23C		57
Tensile strain at yield, %	527	
23C		3.5
Nominal strain at break, %	527	
23C		15
Flexural Modulus, MPa	178	
23C		2,500
IMPACT	**ISO Test Method**	**Property Value**
Izod Notched Impact, kJ/m^2	180	
23C		4.8
-40C		4.2
Charpy Notched, kJ/m^2	179	
23C		5
THERMAL	**ISO Test Method**	**Property Value**
Melting Point, C	3146	223
HDT A, C	75	55
UL RATINGS	**UL Test Method**	**Property Value**
Flammability Rating, 1.5mm	UL94	HB
Relative Temperature Index, 1.5mm	UL746B	
Mechanical w/o Impact, C		140
Mechanical w/ Impact, C		130
Electrical, C		130

Note

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Note

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