®

Product Information

Aug 2013

Ultradur B 4040 G10 BK5110

Polybutylene Terephthalate/Polyethylene Terephthalate

BASF The Chemical Company

Product Description

Ultradur B 4040 G10 BK5110 is a pigmented black, injection molding PBT with 50% glass fiber reinforced for technical parts with excellent surface finish.

Applications

Typical applications include automotive exterior, door handles, exterior mirror housings, rear screen, wiper arms.

PHYSICAL	ASTM Test Method	Property Value
Specific Gravity	D-792	1.73
Mold Shrinkage (1/8" bar, in/in)		0.002
Moisture, %	D-570	
(50% RH)		0.12
(Saturation)		0.4
MECHANICAL	**ASTM Test Method**	**Property Value**
Tensile Strength, Break, MPa (psi)	D-638	
23C (73F)		140 (20,300)
Elongation, Break, %	D-638	
23C (73F)		1.5
Flexural Modulus, MPa (psi)	D-790	
23C (73F)		13,600 (1,970,000)
IMPACT	**ASTM Test Method**	**Property Value**
Notched Izod Impact, J/M (ft-lbs/in)	D-256	
-40C (-40F)		64 (1.2)
23C (73F)		75 (1.4)
THERMAL	**ASTM Test Method**	**Property Value**
Melting Point, C(F)	D-3418	223 (433)
Heat Deflection @ 264 psi (1.8 MPa) C(F)	D-648	215 (419)
Heat Deflection @ 66 psi (.45 MPa) C(F)	D-648	220 (428)
ELECTRICAL	**ASTM Test Method**	**Property Value**
Volume Resistivity, 1.5 mm	D-257	>1E13
Surface Resistivity, 1.5 mm	D-257	1E13

Note

ASF Corporation
ngineering Plastics
509 Biddle Avenue
yandotte, MI 48192

General Information: 800-BC-RESIN
Technical Assistance: 800-527-TECH (734-324-5150)
Web address: http://www.plasticsportal.com/usa