

# Ultradur® B 4300 G6 High Speed Unc. PBT (Polybutylene Terephthalate)



## Product Description

Ultradur B 4300 G6 High Speed Unc. is a high flow, fast cycling with low warpage, 30% glass filled, injection molding PBT for industrial parts, rigid tough and dimensional stable applications.

## Applications

Typical applications include windshield wiper arms, printed circuit boards, housing, consoles, contact carriers, covers.

PHYSICAL	ISO Test Method	Property Value
Density, g/cm <sup>3</sup>	1183	1.53
Viscosity Number, cm/g	1628	85
Mold Shrinkage, parallel, %	294-4	0.2
Mold Shrinkage, normal, %	294-4	1.1
Moisture, %	62	
(50% RH)		0.2
(Saturation)		0.4
RHEOLOGICAL	ISO Test Method	Property Value
Melt Volume Rate (250 C/2.16 Kg), cc/10min.	1133	29
MECHANICAL	ISO Test Method	Property Value
Tensile Modulus, MPa	527	
23C		9,800
Tensile stress at break, MPa	527	
23C		145
Tensile strain at break, %	527	
23C		2.7
Flexural Strength, MPa	178	
23C		210
IMPACT	ISO Test Method	Property Value
Charpy Notched, kJ/m <sup>2</sup>	179	
23C		10
Charpy Unnotched, kJ/m <sup>2</sup>	179	
23C		60
THERMAL	ISO Test Method	Property Value
Melting Point, C	3146	223
HDT A, C	75	200
HDT B, C	75	220
Coef. of Linear Thermal Expansion, Parallel, mm/mm C		0.25 X10-4
ELECTRICAL	ISO Test Method	Property Value
Comparative Tracking Index	IEC 60112	400
Volume Resistivity	IEC 60093	>1E13
Surface Resistivity	IEC 60093	1E13
Dielectric Constant (100 Hz)	IEC 60250	3.9



BASF Corporation  
Engineering Plastics  
609 Biddle Avenue  
Ypsilanti, MI 48192



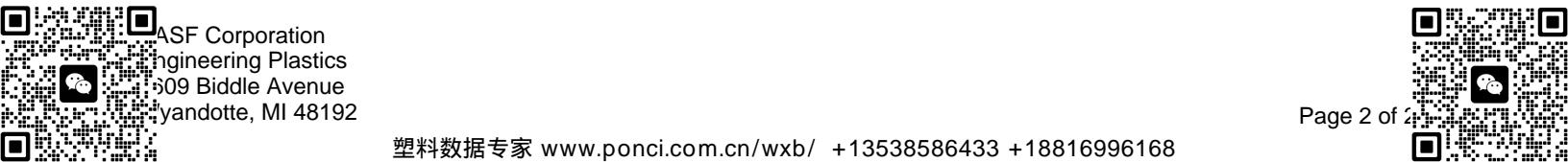
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Dielectric Constant (1 MHz)	IEC 60250	3.7
Dissipation Factor (100 Hz)	IEC 60250	33
Dissipation Factor (1 MHz)	IEC 60250	190

## Note

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BASF Corporation  
Engineering Plastics  
609 Biddle Avenue  
Yandotte, MI 48192

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