

**Ultradur® B 4300 G6 HR FC Aqua**  
PBT-GF30

BASF

Rheological properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
Molding shrinkage, normal	1.2	%	ISO 294-4, 2577

Mechanical Properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	9000	MPa	ISO 527
Stress at Break	130	MPa	ISO 527
Strain at Break	3.7	%	ISO 527
Impact Strength (Charpy), +23°C	71	kJ/m²	ISO 179/1eU
Impact Strength (Charpy), -30°C	73	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	10.7	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	8.5	kJ/m²	ISO 179/1eA
Flexural Modulus (23°C)	8700	MPa	ISO 178
Flexural strength	210	MPa	ISO 178

Thermal Properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting Temperature (10°C/min)	223	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	205	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	220	°C	ISO 75-1/-2

Other Properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Water Absorption	0.4	%	Sim. to ISO 62
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1530	kg/m³	ISO 1183
Bulk density	750	kg/m³	-

Material Specific Properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Viscosity number	110	cm³/g	ISO 307, 1157, 1628

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	250 - 275	°C	-
Mold temperature	60 - 100	°C	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Melt temperature	250 - 275	°C	-

**Characteristics**

**Processing**

Injection Molding, Other Extrusion

**Features**

Thermal Stability

**Delivery form**

Natural Color

**Certifications**

Food approval, Food approval 10/2011, Food Contact (FDA),  
Water contact

**Disclaimer**

**Liability Exclusion**

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