Ultradur® B 4330 G6 HR High Speed BK15045

PBT-GF30 BASF

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	28	cm³/10min	ISO 1133
Temperature	275	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.4	%	ISO 294-4, 2577
Molding shrinkage, normal	1.0	%	ISO 294-4, 2577

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	8880	MPa	ISO 527
Stress at Break	130	MPa	ISO 527
Strain at Break	2.6	%	ISO 527
Impact Strength (Charpy), +23°C	68	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	9	kJ/m²	ISO 179/1eA
Flexural Modulus (23°C)	8700	MPa	ISO 178

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	223	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	208	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	223	°C	ISO 75-1/-2

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1500	kg/m³	ISO 1183
Bulk density	750	kg/m³	-

Material Specific Properties	Value	Unit	Test Standard
ISO Data			
Viscosity number	85	cm³/g	ISO 307, 1157, 1628

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Processing humidity	≤0.04	%	-
Melt temperature	250 - 280	°C	-
Mold temperature	60 - 100	°C	-

Characteristics

Processing
Injection Molding

Delivery form
Black

Features
Laser Markable

Chemical Resistance
Hydrolysis

Applications
Automotive, Electrical and Electronical