WIC PA6 30 BK

PA6-CF30 WIPAG

Product Texts	
Base Polymer	Polyamide 6
Filler	30% carbon fiber
Colour	black
Special Features	medium viscosity
Market Segment	Automotive, Sport

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	**30 / ***	cm³/10min	ISO 1133
Temperature	**275 / ***	°C	-
Load	**5 / ***	kg	-
Molding shrinkage, parallel	**0.1 / ***	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.4 / ***	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	**22500 / 11500**	MPa	ISO 527
Tensile Strength	**200 / 125**	MPa	ISO 527
Strain at break	**1.5 / 3.2**	%	ISO 527
Flexural modulus, 23°C	**20000 / 11500**	MPa	ISO 178
Flexural strength	**290 / 200**	MPa	ISO 178
Charpy impact strength, +23°C	**55 / 65**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**10 / 14**	kJ/m²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**220 / ***	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**215 / ***	°C	ISO 75-1/-2
Vicat softening temperature, B	**215 / ***	°C	ISO 306
Coeff. of linear therm. expansion, parallel	**6.7 / ***	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	**103 / ***	E-6/K	ISO 11359-1/-2

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	**0.1 / -**	Ohm*m	IEC 62631-3-1
Surface resistivity	*** / 10**	Ohm	IEC 62631-3-2

Other properties	dry / cond	Unit	Test Standard
Density	**1270 / -**	kg/m³	ISO 1183
Global warming potential	**5.23**	kg CO□ eq./kg	ISO 14040, 14044

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**2 - 8**	h	-
Processing humidity	**≤0.12**	%	-
Melt temperature	**250 - 270**	°C	-
Mold temperature	**60 - 100**	°C	-

Characteristics

Processing
Injection Molding

Applications
Automotive, Sports Equipment

Delivery form
Black

Regional Availability
Europe

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