Akulon® Ultraflow K-FG12

PA6-GF60 Envalior

Product Texts

60% Glass Reinforced, High Flow

ISO 1043 PA6-GF60

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
[C] Molding shrinkage, parallel	**0.2 / ***	%	ISO 294-4, 2577
[C] Molding shrinkage, normal	**0.8 / ***	%	ISO 294-4, 2577
[C] Density of melt	**1380**	kg/m³	-
[C] Thermal conductivity of melt	**0.39**	W/(m K)	-
[C] Spec. heat capacity of melt	**1720**	J/(kg K)	-
[C] Eff. thermal diffusivity	**1.64E-7**	m²/s	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**20000 / 14000**	MPa	ISO 527
[C] Stress at break	**235 / 160**	MPa	ISO 527
[C] Strain at break	**2.2 / 4**	%	ISO 527
[C] Charpy impact strength, +23°C	**90 / 100**	kJ/m²	ISO 179/1eU
[C] Charpy impact strength, -30°C	**85 / 85**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**15 / 25**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**12 / 12**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Melting temperature, 10°C/min	**220 / ***	°C	ISO 11357-1/-3
[C] Temp. of deflection under load, 1.80 MPa	**210 / ***	°C	ISO 75-1/-2
[C] Temp. of deflection under load, 0.45 MPa	**220 / ***	°C	ISO 75-1/-2
[C] Coeff. of linear therm. expansion, parallel	**10 / ***	E-6/K	ISO 11359-1/-2
[C] Coeff. of linear therm. expansion, normal	**40 / ***	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
[C] Water absorption	**3.6 / ***	%	Sim. to ISO 62
[C] Humidity absorption	**1 / ***	%	Sim. to ISO 62
[C] Density	**1700 / -**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing
Injection Molding

Regional Availability
Europe, Asia Pacific

Delivery form
Pellets

Other text information

Injection molding
Injection Molding Recommendations

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