

Product Texts

Glass Reinforced, High Flow

ISO 1043 PA6-I-GF40

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	60 / *	cm ³ /10min	ISO 1133
Temperature	275 / *	°C	-
Load	5 / *	kg	-
^[C] Molding shrinkage, parallel	0.4 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.9 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	11500 / 7300	MPa	ISO 527
^[C] Stress at break	175 / 110	MPa	ISO 527
^[C] Strain at break	3.5 / 7	%	ISO 527
^[C] Charpy impact strength, +23°C	90 / 100	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	90 / 95	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	20 / 30	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	13 / 13	kJ/m ²	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	200 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	215 / *	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	20 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	65 / *	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Relative permittivity, 100Hz	3.5 / 14	-	IEC 62631-2-1
^[C] Relative permittivity, 1MHz	3.3 / 4.5	-	IEC 62631-2-1
^[C] Dissipation factor, 100Hz	90 / 3000	E-4	IEC 62631-2-1
^[C] Dissipation factor, 1MHz	150 / 1200	E-4	IEC 62631-2-1
^[C] Volume resistivity	>1E13 / 1E11	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	* / 1E14	Ohm	IEC 62631-3-2
^[C] Electric strength	25 / 20	kV/mm	IEC 60243-1
^[C] Comparative tracking index	- / 600	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	5.7 / *	%	Sim. to ISO 62
^[C] Humidity absorption	1.7 / *	%	Sim. to ISO 62
^[C] Density	1410 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Special Characteristics

High impact or impact modified

Akulon® Ultraflow K-FPG8

PA6-I-GF40

Envalior

Delivery form

Pellets

Regional Availability

Europe

Additives

Release agent

Other text information

Injection molding

[Injection Molding Recommendations](#)