

Product Texts

Vydyne BG10HU is an UV and heat stabilized 50% glass fiber reinforced PA6 for injection molded applications.

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	14000 / -	MPa	ISO 527
^[C] Stress at break	224 / -	MPa	ISO 527
^[C] Strain at break	3.2 / -	%	ISO 527
^[C] Charpy impact strength, +23°C	100 / -	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	100 / -	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	18 / -	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	15 / -	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Coeff. of linear therm. expansion, parallel	12 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	83 / *	E-6/K	ISO 11359-1/-2
^[C] Burning Behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
^[C] Oxygen index	25 / *	%	ISO 4589-1/-2

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Volume resistivity	>1E13 / -	Ohm*m	IEC 62631-3-1

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Humidity absorption	0.6 / *	%	Sim. to ISO 62
^[C] Density	1550 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Delivery form

Pellets

Additives

Release agent

Special Characteristics

U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Regional Availability

North America, Europe