

Product Texts

Vydyne BG5H is a heat stabilized 25% glass fiber reinforced PA6 for injection molded applications.

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	7900 / -	MPa	ISO 527
^[C] Stress at break	150 / -	MPa	ISO 527
^[C] Strain at break	3.5 / -	%	ISO 527
^[C] Charpy impact strength, +23°C	50 / -	kJ/m ²	ISO 179/1eU

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Coeff. of linear therm. expansion, parallel	31 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	91 / *	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	24 / *	%	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] Density	1310 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing
Injection Molding

Special Characteristics
Heat stabilized or stable to heat

Delivery form
Pellets

Regional Availability
North America, Europe

Additives
Release agent