

Product Texts

Vydyne PF007 is a 35% glass fiber reinforced PA6 for injection molded applications.

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	10000 / -	MPa	ISO 527
^[C] Stress at break	180 / -	MPa	ISO 527
^[C] Strain at break	3.2 / -	%	ISO 527
^[C] Charpy impact strength, +23°C	90 / -	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	85 / -	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	15 / -	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	12 / -	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Coeff. of linear therm. expansion, parallel	21 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	81 / *	E-6/K	ISO 11359-1/-2
^[C] Oxygen index	27 / *	%	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	1.6 / *	%	Sim. to ISO 62
^[C] Density	1420 / -	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