

Product Texts

Vydyne AG7K is a 35% glass fiber reinforced, heat and hydrolytically stabilized PA66 for injection molded applications.

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	12500 / 9200	MPa	ISO 527
^[C] Stress at break	211 / 155	MPa	ISO 527
^[C] Strain at break	3.5 / 4.3	%	ISO 527
^[C] Charpy impact strength, +23°C	107 / 112	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	91 / 102	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	16 / 19	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	260 / *	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 1.80 MPa	253 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	262 / *	°C	ISO 75-1/-2

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Volume resistivity	>1E13 / -	Ohm*m	IEC 62631-3-1
^[C] Electric strength	30 / 29	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	0.8 / *	%	Sim. to ISO 62
^[C] Humidity absorption	1.4 / *	%	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

Chemical Resistance

Hydrolytically Stable

Additives

Release agent

Regional Availability

North America, Europe