

Product Texts

Vydyne B 25 GF BK EST K1 is standard flow, heat stabilized, 25% glass-fiber reinforced PA6 resin. Available in black, this product is also lubricated for improved machine feed and flow.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.5 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.8 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	8000 / 5100	MPa	ISO 527
^[C] Stress at break	162 / 98	MPa	ISO 527
^[C] Strain at break	3.3 / 8.1	%	ISO 527
^[C] Charpy impact strength, +23°C	76 / 85	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	66 / 72	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	11 / 18	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	10 / 15	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	201 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	218 / *	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	23 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	90 / *	E-6/K	ISO 11359-1/-2
^[C] Burning Behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Electric strength	27 / 24	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	1.9 / *	%	Sim. to ISO 62
^[C] Humidity absorption	2 / *	%	Sim. to ISO 62
^[C] Density	1320 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Delivery form

Pellets, Black

Additives

Lubricants

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

North America, Europe, Asia Pacific