

Product Texts

Vydyne B 30 GF BK EST K1 is standard flow, heat stabilized, 30% 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	0.3 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.7 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	9200 / 6000	MPa	ISO 527
^[C] Stress at break	170 / 105	MPa	ISO 527
^[C] Strain at break	3 / 6.5	%	ISO 527
^[C] Charpy impact strength, +23°C	89 / 99	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	75 / 91	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	14 / 20	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	14 / 11	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	207 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	220 / *	°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	84 / *	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	28 / 26	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	1.3 / *	%	Sim. to ISO 62
^[C] Humidity absorption	1.9 / *	%	Sim. to ISO 62
^[C] Density	1350 / -	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