

**Product Texts**

Vydyne B BK X146 EM1 LT K1 is a general-purpose, impact-modified PA6 resin. Available in black, it is inorganic heat-stabilized for improved resistance to high temperatures. It is lubricated for machine feed and easy mold release and shows an improved impact resistance also at low temperatures.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Molding shrinkage, parallel	1.4 / *	%	ISO 294-4, 2577
<sup>[C]</sup> Molding shrinkage, normal	1.8 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	2000 / 1200	MPa	ISO 527
<sup>[C]</sup> Yield stress	60 / 35	MPa	ISO 527
<sup>[C]</sup> Yield strain	5.5 / 7	%	ISO 527

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melting temperature, 10°C/min	222 / *	°C	ISO 11357-1/-3
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	60 / *	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 0.45 MPa	150 / *	°C	ISO 75-1/-2
<sup>[C]</sup> Burning Behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
<sup>[C]</sup> Humidity absorption	2.6 / *	%	Sim. to ISO 62
<sup>[C]</sup> Density	1120 / -	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Characteristics**

**Processing**

Injection Molding

**Delivery form**

Pellets, Black

**Additives**

Lubricants

**Special Characteristics**

High impact or impact modified, Heat stabilized or stable to heat

**Applications**

General Purpose

**Regional Availability**

North America, Europe, Asia Pacific