

Product Texts

Vydyne AST44 is an impact modified PA66 for injection molded applications.

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	1900 / -	MPa	ISO 527
^[C] Yield stress	50 / -	MPa	ISO 527
^[C] Yield strain	4.6 / -	%	ISO 527
^[C] Charpy impact strength, +23°C	100 / -	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	100 / -	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	80 / -	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	65 / -	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Coeff. of linear therm. expansion, parallel	100 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	120 / *	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] Volume resistivity	>1E13 / -	Ohm*m	IEC 62631-3-1

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Humidity absorption	1.5 / *	%	Sim. to ISO 62
^[C] Density	1070 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Special Characteristics

High impact or impact modified

Delivery form

Pellets

Regional Availability

North America, Europe

Additives

Release agent