

Product Texts

Vydyne AVS4BC1 BK0886 is part of Ascend's Anti-Vibration System portfolio. AVS4BC1 BK0886 is a 35% glass filled PA66 specialty compound that is specifically designed to provide a good balance of energy absorption and mechanical stiffness for critical NVH components.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.2 / *	%	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	11500 / 9900	MPa	ISO 527
^[C] Stress at break	197 / 151	MPa	ISO 527
^[C] Strain at break	2.7 / 3	%	ISO 527
^[C] Charpy impact strength, +23°C	75 / 82	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	65 / 65	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	11 / 11	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	10 / 8.7	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	244 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	258 / *	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	22 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	80 / *	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Electric strength	26 / 25	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	1.1 / *	%	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

Delivery form

Pellets, Black

Additives

Lubricants

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa