Vydyne® AVS4CF1 BK0877

PA66-GF50 Ascend

Product Texts

Vydyne AVS4CF1 BK0877 is a 50% glass filled PA66 based heat stabilized grade that provides improved NVH damping over standard glass-filled PA66.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
[C] Molding shrinkage, parallel	**0.6 / ***	%	ISO 294-4, 2577
[C] Molding shrinkage, normal	**1.1 / ***	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**17000 / 14000**	MPa	ISO 527
[C] Stress at break	**222 / 168**	MPa	ISO 527
[C] Strain at break	**2.1 / 2.9**	%	ISO 527
[C] Charpy impact strength, +23°C	**82 / 82**	kJ/m²	ISO 179/1eU
[C] Charpy impact strength, -30°C	**82 / 72**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**15 / 14**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**13 / 11**	kJ/m²	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	**249 / ***	°C	ISO 75-1/-2
[C] Temp. of deflection under load, 0.45 MPa	**260 / ***	°C	ISO 75-1/-2
[C] Coeff. of linear therm. expansion, parallel	**17 / ***	E-6/K	ISO 11359-1/-2
[C] Coeff. of linear therm. expansion, normal	**71 / ***	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Electric strength	**25 / 24**	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
[C] Water absorption	**0.8 / ***	%	Sim. to ISO 62
[C] Humidity absorption	**1.1 / ***	%	Sim. to ISO 62
[C] Density	**1600 / -**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Delivery form

Pellets, Black

Regional Availability

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