

Product Texts

Vydyne 65B is a medium-high viscosity resin used for extrusion-compounding. It is desirable to include this neat resin in a formulation in which the melt strength of the final product is critical for the application. Vydyne 65B exhibits good initial color and it has a moisture level below 0.1%. Resistance of Vydyne 65B to heat, oil and wear is typical of PA66 neat resins.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	2.0 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	1.9 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	3100 / 1500	MPa	ISO 527
^[C] Yield stress	83 / 55	MPa	ISO 527
^[C] Yield strain	5.5 / 20	%	ISO 527
^[C] Charpy impact strength, +23°C	N / N	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	N / N	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	6 / 40	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	6 / 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	65 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	195 / *	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	100 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	100 / *	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Humidity absorption	2.5 / *	%	Sim. to ISO 62
^[C] Density	1140 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Other Extrusion

Chemical Resistance

Oil Resistance

Delivery form

Pellets

Regional Availability

North America, Europe, Asia Pacific