

Product Texts

Vydyne 60H NT0869 is a medium-viscosity, heat stabilized PA66 resin suitable for injection-molding, extrusion and compounding applications. It is available in natural color only. 60H NT0869 resin offers high strength, rigidity, and toughness over a broad range of demanding applications, good fluid resistance to a wide variety of chemicals, solvents and oils, and heat stability to ensure property longevity when the material is subjected to higher temperatures.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	1.9 / *	%	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	3200 / 1700	MPa	ISO 527
^[C] Yield stress	85 / 55	MPa	ISO 527
^[C] Yield strain	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 / 25	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	5 / 9	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	68 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	190 / *	°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

Injection Molding, Other Extrusion

Chemical Resistance

General Chemical Resistance, Solvent Resistance, Oil Resistance

Delivery form

Pellets, Natural Color

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Heat stabilized or stable to heat