

Product Texts

Vydyne 63A is a medium-viscosity resin used for injection-molding and 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 63A exhibits good initial color and it has a moisture level below 0.1%. This product offers high strength, rigidity and toughness over a broad range of demanding applications. Resistance of Vydyne 63A 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	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, Film Extrusion, Sheet Extrusion, Other Extrusion

Delivery form

Pellets, Natural Color

Features

Melt Strength

Chemical Resistance

General Chemical Resistance, Solvent Resistance, Oil Resistance

Applications

Automotive, General Purpose, Monofilament, Packaging

Regional Availability

North America, Europe, Asia Pacific