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Vydyne® A 1515 GFB NT EST KW2

polyamide 66

ASCEND PERFORMANCE MATERIALS

Vydyne A 1515 GFB NT EST KW2 is standard flow, organic heat stabilized, 15% glass-beads and 15% glass-fiber reinforced PA66 resin. Available in natural, this product is also lubricated for improved machine feed and flow. Glass-beads provide the molded parts with good surface finish and low warpage, while glass-fiber increase stiffness and strength.

General

Regional Availability	• North America	• Europe	• Asia Pacific
Additive	• Heat Stabilizer	• Lubricant	
Features	• Chemical Resistant • Good Dimensional Stability • Lubricated	• Gasoline Resistant • Good Flow • Organic Heat Stabilized	• General Purpose • Good Heat Resistance
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical	dry	cond.	Unit	Test Standard
Density	1.35	-	g/cm³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow : 23°C, 2.00 mm	0.8	*	%	
Flow : 23°C, 2.00 mm	0.6	*	%	
Water Absorption				ISO 62
Equilibrium, 23°C, 50% RH	1.7	*	%	

Mechanical	dry	cond.	Unit	Test Standard
Tensile Modulus (23°C)	6800	4000	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	120	75	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.5	5	%	ISO 527-2

Impact	dry	cond.	Unit	Test Standard
Notched Izod Impact Strength, +23°C	6	9	kJ/m²	ISO 180/1A

Thermal	dry	cond.	Unit	Test Standard
Heat Deflection Temperature				ISO 75-2/A
1.80 MPa, Unannealed	240	-	°C	
0.45 MPa, Unannealed	245	-	°C	
Melting Temperature	260	*	°C	ISO 11357-3

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Electrical	Value	Unit	Test Standard
Comparative Tracking Index (3.00 mm)	600	V	IEC 60112

Flammability	Value	Unit	Test Standard
Burning Rate, 2.00 mm	102	mm/min	ISO 3795
Flammability			UL 94
1.50 mm	HB	-	
3.00 mm	HB	-	

Injection	Value	Unit
Drying Temperature	85 - 95	°C
Drying Time	≥ 3	h
Rear Temperature	260 - 290	°C
Middle Temperature	260 - 290	°C
Front Temperature	260 - 290	°C
Nozzle temperature	260 - 290	°C
Processing (Melt) Temperature	260 - 290	°C
Mold Temperature	70 - 90	°C