

Vydyne® RFB24

polyamide 66



Vydyne RFB24 is glass bead and glass fiber reinforced PA66 for injection molded applications (also known as Vydyne 66 2010VK Z3).

General

Regional Availability	• North America	• Europe
Additive	• Heat Stabilizer	• Release agent
Features	• Good Dimensional Stability	
Agency Rating	• ISO, 1043 PA66 (GF+GB)30	
Appearance	• Natural Color	
Forms	• Pellets	
Processing Method	• Injection Molding	

Physical

	dry	cond.	Unit	Test Standard
Density	1.37	-	g/cm ³	ISO 1183
Water Absorption, 23°C, 24 hr	1.2	*	%	ISO 62

Mechanical

	dry	cond.	Unit	Test Standard
Tensile Modulus (23°C)	7800	-	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	147	-	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	3.4	-	%	ISO 527-2
Flexural Modulus (23°C)	6500	-	MPa	ISO 178
Flexural Strength (23°C)	215	-	MPa	ISO 178

Impact

	dry	cond.	Unit	Test Standard
Notched Izod Impact Strength, +23°C	8	-	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength, +23°C	45	-	kJ/m ²	ISO 180/1U

Thermal

	dry	cond.	Unit	Test Standard
Heat Deflection Temperature				ISO 75-2/A
1.80 MPa, Unannealed	238	-	°C	
0.45 MPa, Unannealed	257	-	°C	
CLTE				ISO 11359-2
Flow : 23 to 55°C, 2.00 mm	35	*	E-6/K	
Transverse : 23 to 55°C, 2.00 mm	101	*	E-6/K	

Vydyne® RFB24

polyamide 66



Injection	Value	Unit
Drying Temperature	80	°C
Drying Time	4	h
Suggested Max Moisture	0.2	%
Rear Temperature	265 - 280	°C
Middle Temperature	270 - 285	°C
Front Temperature	270 - 290	°C
Processing (Melt) Temperature	270 - 285	°C
Mold Temperature	60 - 100	°C

