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Vydyne® RFB33

polyamide 66

Vydyne RFB33 is glass bead and glass fiber reinforced PA66 for injection molded applications (also known as Vydyne 66 1515VK 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	1.36	-	g/cm³	ISO 1183

Mechanical	dry	cond.	Unit	Test Standard
Tensile Modulus (23°C)	7000	-	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	128	-	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.6	-	%	ISO 527-2
Flexural Modulus (23°C)	6000	-	MPa	ISO 178
Flexural Strength (23°C)	185	-	MPa	ISO 178

Impact	dry	cond.	Unit	Test Standard
Charpy Notched Impact Strength, +23°C	5.7	-	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength, +23°C	46	-	kJ/m²	ISO 179/1eU
Notched Izod Impact Strength, +23°C	6	-	kJ/m²	ISO 180/1A
Unnotched Izod Impact Strength, +23°C	42	-	kJ/m²	ISO 180/1U

Injection	Value	Unit
Drying Temperature	70 - 80	°C
Drying Time	4	h
Suggested Max Moisture	0.2	%
Rear Temperature	260 - 280	°C
Middle Temperature	270 - 285	°C
Front Temperature	265 - 280	°C
Processing (Melt) Temperature	265 - 280	°C
Mold Temperature	70 - 90	°C