

Vydyne® RB008

polyamide 66



Vydyne RB008 is a 40% glass bead reinforced PA66 for injection molded applications.

General				
Regional Availability	• North America	• Europe		
Additive	• Heat Stabilizer	• Release agent		
Features	• Good Dimensional Stability			
Agency Rating	• ISO, 1043 PA66 GB40			
Appearance	• Natural Color			
Forms	• Pellets			
Processing Method	• Injection Molding			

Physical	dry	cond.	Unit	Test Standard
Density	1.44	-	g/cm ³	ISO 1183

Mechanical	dry	cond.	Unit	Test Standard
Tensile Modulus (23°C)	5200	-	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	83	-	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	4	-	%	ISO 527-2
Flexural Modulus (23°C)	4400	-	MPa	ISO 178
Flexural Strength (23°C)	128	-	MPa	ISO 178

Impact	dry	cond.	Unit	Test Standard
Notched Izod Impact Strength, +23°C	3	-	kJ/m ²	ISO 180/1A

Thermal	dry	cond.	Unit	Test Standard
Heat Deflection Temperature				ISO 75-2/A
1.80 MPa, Unannealed	110	-	°C	
0.45 MPa, Unannealed	225	-	°C	
CLTE				ISO 11359-2
Flow : 23 to 55°C, 2.00 mm	58	*	E-6/K	
Transverse : 23 to 55°C, 2.00 mm	57	*	E-6/K	

Injection	Value	Unit
Drying Temperature	75 - 85	°C
Drying Time	4	h
Suggested Max Moisture	0.2	%
Rear Temperature	260 - 280	°C

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Middle Temperature	270 - 280	°C
Front Temperature	270 - 290	°C
Processing (Melt) Temperature	270 - 290	°C
Mold Temperature	60 - 90	°C

