

Vydyne® RB006S

polyamide 66



Vydyne RB006S is a 30% glass bead reinforced PA66 for injection molded applications.

General				
Regional Availability	• Europe			
Agency Rating	• ISO, 1043 PA66 GB30			
Forms	• Pellets			
Processing Method	• Injection Molding			

Physical	Value	Unit	Test Standard	
Water Absorption, Saturation, 23°C	5.5	%	ISO 62	

Mechanical	dry	cond.	Unit	Test Standard
Tensile Modulus (23°C)	4500	-	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	80	-	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	9	-	%	ISO 527-2
Flexural Modulus (23°C)	4400	-	MPa	ISO 178
Flexural Strength (23°C)	130	-	MPa	ISO 178

Impact	dry	cond.	Unit	Test Standard
Charpy Unnotched Impact Strength, +23°C	30	-	kJ/m²	ISO 179/1eU
Notched Izod Impact Strength				ISO 180/1A
+23°C	4	-	kJ/m²	
-40°C	2	-	kJ/m²	

Thermal	dry	cond.	Unit	Test Standard
CLTE				ISO 11359-2
Flow : 23 to 55°C, 2.00 mm	40	*	E-6/K	
Transverse : 23 to 55°C, 2.00 mm	40	*	E-6/K	

Electrical	Value	Unit	Test Standard	
Comparative Tracking Index (3.00 mm)	500	V	IEC 60112	

Flammability	dry	cond.	Unit	Test Standard
Oxygen index	26	*	%	EN ISO 4589-2

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Injection	Value	Unit
Drying Temperature	75 - 85	°C
Drying Time	4	h
Suggested Max Moisture	0.2	%
Rear Temperature	270 - 290	°C
Middle Temperature	260 - 280	°C
Front Temperature	260 - 290	°C
Processing (Melt) Temperature	260 - 290	°C
Mold Temperature	70 - 120	°C

