

Vydyne® RF007S

polyamide 66



Vydyne RF007S is a 35% glass fiber reinforced PA66 for injection molded applications.

General				
Regional Availability	• North America • Europe			
Additive	• Release agent			
Features	• Good Stiffness • Good Strength			
Agency Rating	• ISO, 1043 PA66 GF35			
Appearance	• Natural Color			
Forms	• Pellets			
Processing Method	• Injection Molding			

Physical	dry	cond.	Unit	Test Standard
Density	1.40	-	g/cm ³	ISO 1183

Mechanical	dry	cond.	Unit	Test Standard
Tensile Stress (Yield, 23°C)	190	-	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	3	-	%	ISO 527-2
Flexural Modulus (23°C)	9000	-	MPa	ISO 178
Flexural Strength (23°C)	265	-	MPa	ISO 178

Impact	dry	cond.	Unit	Test Standard
Notched Izod Impact Strength, +23°C	13	-	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength, +23°C	75	-	kJ/m ²	ISO 180/1U

Thermal	dry	cond.	Unit	Test Standard
Heat Deflection Temperature, 1.80 MPa, Unannealed	250	-	°C	ISO 75-2/A

Injection	Value	Unit
Drying Temperature	75 - 85	°C
Drying Time	4	h
Suggested Max Moisture	0.2	%
Rear Temperature	260 - 280	°C
Middle Temperature	270 - 280	°C
Front Temperature	270 - 290	°C
Processing (Melt) Temperature	270 - 290	°C
Mold Temperature	60 - 90	°C

