

Vydyne® 63020VKS3

polyamide 6



Vydyne 63020VKS3 is a glass bead and glass fiber reinforced PA6 for injection molded applications.

General				
Regional Availability	• North America		• Europe	
Agency Rating	• ISO, 1043 PA6 (GF+GB)50			
Forms	• Pellets			
Processing Method	• Injection Molding			
Physical	dry	cond.	Unit	Test Standard
Density	1.54	-	g/cm³	ISO 1183
Mechanical	dry	cond.	Unit	Test Standard
Tensile Stress (Break, 23°C)	150	-	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.3	-	%	ISO 527-2
Flexural Modulus (23°C)	10500	-	MPa	ISO 178
Flexural Strength (23°C)	205	-	MPa	ISO 178
Impact	dry	cond.	Unit	Test Standard
Notched Izod Impact Strength, +23°C	9.5	-	kJ/m²	ISO 180/1A
Unnotched Izod Impact Strength, +23°C	45	-	kJ/m²	ISO 180/1U
Thermal	dry	cond.	Unit	Test Standard
Heat Deflection Temperature, 1.80 MPa, Unannealed	190	-	°C	ISO 75-2/A
Injection	Value		Unit	
Drying Temperature	80		°C	
Drying Time	4		h	
Suggested Max Moisture	0.2		%	
Rear Temperature	250 - 260		°C	
Middle Temperature	250 - 280		°C	
Front Temperature	250 - 280		°C	
Processing (Melt) Temperature	250 - 280		°C	
Mold Temperature	50 - 90		°C	

