

Vydyne® 61565VE10

polyamide 6



Vydyne 61565VE10 is a high density, glass fiber reinforced PA6 for injection molded applications and it has improved thermal conductivity.

General

Regional Availability	• North America	• Europe
Agency Rating	• ISO, 1043 PA6 (GF+ME)80	
Forms	• Pellets	
Processing Method	• Injection Molding	

Mechanical	dry	cond.	Unit	Test Standard
Tensile Stress (Break, 23°C)	170	-	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.3	-	%	ISO 527-2
Flexural Modulus (23°C)	12800	-	MPa	ISO 178

Impact	dry	cond.	Unit	Test Standard
Notched Izod Impact Strength				ISO 180/1A
+23°C	14	-	kJ/m²	
-30°C	12	-	kJ/m²	
Unnotched Izod Impact Strength				ISO 180/1U
+23°C	55	-	kJ/m²	
-30°C	55	-	kJ/m²	

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

