

Vydyne® 61565VE10

 Ascend Performance Materials Operations LLC - *Polyamide 6*
General Information
Product Description

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

General

Material Status	• Commercial: Active
Availability	• Europe • North America
Filler / Reinforcement	• Glass Fiber, 80% Filler by Weight
Agency Ratings	• ISO 1043 PA6 (GF+ME)80
Forms	• Pellets
Processing Method	• Injection Molding
Resin ID	• PA6-(GF+MED(x))80

Properties ¹

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 73°F)	24700	psi	ISO 527-2
Tensile Strain (Break, 73°F)	2.3	%	ISO 527-2
Flexural Modulus (73°F)	1.86E+6	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-22°F	5.7	ft·lb/in ²	
73°F	6.7	ft·lb/in ²	
Unnotched Izod Impact Strength			ISO 180/1U
-22°F	26	ft·lb/in ²	
73°F	26	ft·lb/in ²	

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	4.0	hr
Suggested Max Moisture	0.20	%
Rear Temperature	482 to 500	°F
Middle Temperature	482 to 536	°F
Front Temperature	482 to 536	°F
Processing (Melt) Temp	482 to 536	°F
Mold Temperature	122 to 194	°F

Notes

¹ Typical properties: these are not to be construed as specifications.

