

Vydyne® 63020VKS3

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

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

General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> Europe North America
Filler / Reinforcement	<ul style="list-style-type: none"> Glass Bead\Glass Fiber, 50% Filler by Weight
Agency Ratings	<ul style="list-style-type: none"> ISO 1043 PA6 (GF+GB)50
Forms	<ul style="list-style-type: none"> Pellets
Processing Method	<ul style="list-style-type: none"> Injection Molding
Resin ID	<ul style="list-style-type: none"> PA6-(GF+GB)50

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.54	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 73°F)	21800	psi	ISO 527-2
Tensile Strain (Break, 73°F)	2.3	%	ISO 527-2
Flexural Modulus (73°F)	1.52E+6	psi	ISO 178
Flexural Stress (73°F)	29700	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (73°F)	4.5	ft·lb/in ²	ISO 180/1A
Unnotched Izod Impact Strength (73°F)	21	ft·lb/in ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	374	°F	ISO 75-2/A

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.
