

Vydyne® PF005

polyamide 6



Vydyne PF005 is a 25% glass fiber reinforced PA6 for injection molded applications.

General				
Regional Availability	• North America • Europe			
Agency Rating	• ISO, 1043 PA6 GF25			
Forms	• Pellets			
Processing Method	• Injection Molding			

Physical	dry	cond.	Unit	Test Standard
Density	1.31	-	g/cm ³	ISO 1183
Water Absorption, Saturation, 23°C	6.5		%	ISO 62

Mechanical	dry	cond.	Unit	Test Standard
Tensile Stress (Break, 23°C)	145	-	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	3	-	%	ISO 527-2
Flexural Modulus (23°C)	7500	-	MPa	ISO 178
Flexural Strength (23°C)	190	-	MPa	ISO 178

Impact	dry	cond.	Unit	Test Standard
Notched Izod Impact Strength, +23°C	10	-	kJ/m ²	ISO 180/1A

Injection	Value	Unit
Drying Temperature	75 - 85	°C
Drying Time	4	h
Suggested Max Moisture	0.2	%
Rear Temperature	230 - 240	°C
Middle Temperature	240 - 250	°C
Front Temperature	240 - 270	°C
Processing (Melt) Temperature	240 - 270	°C
Mold Temperature	60 - 80	°C

