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Vydyne® PF005IU3

polyamide 6

Vydyne PF005IU3 is an impact modified, 25% glass fiber reinforced, PA6 for injection molded applications.

General

Regional Availability	• North America	• Europe
Additive	• Heat Stabilizer	• Release agent
Features	• Good Strength	• High Rigidity
Agency Rating	• ISO, 1043 PA6 I GF25	
Appearance	• Natural Color	
Forms	• Pellets	
Processing Method	• Injection Molding	

Physical	dry	cond.	Unit	Test Standard
Density	1.27	-	g/cm³	ISO 1183

Mechanical	dry	cond.	Unit	Test Standard
Tensile Modulus (23°C)	5400	-	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	86	-	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	8	-	%	ISO 527-2
Flexural Modulus (23°C)	4300	-	MPa	ISO 178
Flexural Strength (23°C)	113	-	MPa	ISO 178

Impact	dry	cond.	Unit	Test Standard
Notched Izod Impact Strength				ISO 180/1A
+23°C	26	-	kJ/m²	
-30°C	14	-	kJ/m²	

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 - 260	°C
Processing (Melt) Temperature	240 - 260	°C
Mold Temperature	60 - 80	°C