

Vydyne® PF003JX5

polyamide 6



Vydyne PF003JX5 is an impact modified, 15% glass fiber reinforced, PA6 for injection molded applications.

General				
Regional Availability	• North America		• Europe	
Agency Rating	• ISO, 1043 PA6 I GF15			
Forms	• Pellets			
Processing Method	• Injection Molding			
Physical	dry	cond.	Unit	Test Standard
Density	1.17	-	g/cm³	ISO 1183
Mechanical	dry	cond.	Unit	Test Standard
Tensile Stress (Break, 23°C)	78	-	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	6.8	-	%	ISO 527-2
Flexural Modulus (23°C)	3000	-	MPa	ISO 178
Flexural Strength (23°C)	90	-	MPa	ISO 178
Impact	dry	cond.	Unit	Test Standard
Notched Izod Impact Strength				ISO 180/1A
+23°C	21	-	kJ/m²	
-30°C	12	-	kJ/m²	
Unnotched Izod Impact Strength				ISO 180/1U
+23°C	62	-	kJ/m²	
-30°C	61	-	kJ/m²	
Thermal	dry	cond.	Unit	Test Standard
Heat Deflection Temperature, 1.80 MPa, Unannealed	105	-	°C	ISO 75-2/A
Injection	Value		Unit	
Drying Temperature	80		°C	
Drying Time	4		h	
Rear Temperature	240 - 250		°C	
Middle Temperature	240 - 260		°C	
Front Temperature	240 - 260		°C	
Nozzle temperature	240 - 260		°C	
Processing (Melt) Temperature	240 - 260		°C	
Mold Temperature	60 - 80		°C	

