

Vydyne® PF007IX2

polyamide 6



Vydyne PF007IX2 is a 35% glass filled, impact modified PA6 for injection molded applications.

General

Regional Availability	• North America • Europe
Additive	• Release agent
Features	• Good Strength
Agency Rating	• ISO, 1043 PA6 I GF35
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Physical

	dry	cond.	Unit	Test Standard
Density	1.36	-	g/cm ³	ISO 1183

Mechanical

	dry	cond.	Unit	Test Standard
Tensile Modulus (23°C)	8700	-	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	125	-	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	123	-	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	2.9	-	%	ISO 527-2
Tensile Strain (Break, 23°C)	3	-	%	ISO 527-2
Flexural Modulus (23°C)	6800	-	MPa	ISO 178
Flexural Strength (23°C)	171	-	MPa	ISO 178

Impact

	dry	cond.	Unit	Test Standard
Notched Izod Impact Strength, +23°C	20	-	kJ/m ²	ISO 180/1A

Thermal

	dry	cond.	Unit	Test Standard
Heat Deflection Temperature				ISO 75-2/A
1.80 MPa, Unannealed	200	-	°C	
0.45 MPa, Unannealed	217	-	°C	

Injection

	Value	Unit
Drying Temperature	80	°C
Drying Time	4	h
Suggested Max Moisture	0.2	%
Rear Temperature	240 - 250	°C
Middle Temperature	250 - 260	°C

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Front Temperature	250 - 260	°C
Processing (Melt) Temperature	250 - 260	°C
Mold Temperature	50 - 90	°C

