Vydyne® PF003JX5

Ascend Performance Materials Operations LLC - *Polyamide 6*

General Information

Product Description

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

General		
Material Status	• Commercial: Active	
Availability	• Europe	• North America
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight	
Additive	• Impact Modifier	
Features	• Impact Modified	
Agency Ratings	• ISO 1043 PA6 I GF15	
Forms	• Pellets	
Processing Method	• Injection Molding	
Resin ID	• PA6-I-GF15	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm³	ISO 1183
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Break, 73°F)	11300	psi	ISO 527-2
Tensile Strain (Break, 73°F)	6.8	%	ISO 527-2
Flexural Modulus (73°F)	435000	psi	ISO 178
Flexural Stress (73°F)	13100	psi	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength			ISO 180/1A
-22°F	5.7	ft·lb/in²	
73°F	10	ft·lb/in²	
Unnotched Izod Impact Strength			ISO 180/1U
-22°F	29	ft·lb/in²	
73°F	30	ft·lb/in²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (264 psi, Unannealed)	221	°F	ISO 75-2/A

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	4.0	hr
Rear Temperature	464 to 482	°F
Middle Temperature	464 to 500	°F
Front Temperature	464 to 500	°F
Nozzle Temperature	464 to 500	°F
Processing (Melt) Temp	464 to 500	°F
Mold Temperature	140 to 176	°F

Notes

[1] Typical properties: these are not to be construed as specifications.