Vydyne® PF007IX2

Ascend Performance Materials Operations LLC - *Polyamide 6*

General Information

Product Description		
Vydyne PF007IX2 is a 35% glass filled, impact modified PA6 for injection molded applications.		
General		
Material Status	• Commercial: Active	
Availability	• Europe	• North America
Filler / Reinforcement	• Glass Fiber, 35% Filler by Weight	
Additive	• Impact Modifier	• Mold Release
Features	• Good Strength	• Impact Modified
Agency Ratings	• ISO 1043 PA6 I GF35	
Appearance	• Natural Color	
Forms	• Pellets	
Processing Method	• Injection Molding	
Resin ID	• PA6-I-GF35	

Properties [1]

Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.36	g/cm³	ISO 1183
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (73°F)	1.26E+6	psi	ISO 527-1
Tensile Stress (Yield, 73°F)	18100	psi	ISO 527-2
Tensile Stress (Break, 73°F)	17800	psi	ISO 527-2
Tensile Strain (Yield, 73°F)	2.9	%	ISO 527-2
Tensile Strain (Break, 73°F)	3.0	%	ISO 527-2
Flexural Modulus (73°F)	986000	psi	ISO 178
Flexural Stress (73°F)	24800	psi	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength (73°F)	9.5	ft·lb/in²	ISO 180/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	423	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	392	°F	ISO 75-2/A

Processing Information

Injection	**Nominal Value**	**Unit**
Drying Temperature	176	°F
Drying Time	4.0	hr
Suggested Max Moisture	0.20	%
Rear Temperature	464 to 482	°F
Middle Temperature	482 to 500	°F
Front Temperature	482 to 500	°F
Processing (Melt) Temp	482 to 500	°F
Mold Temperature	122 to 194	°F