

Vydyne® RF00ASXS

Ascend Performance Materials Operations LLC - *Polyamide 66*

General Information

Product Description

Vydyne RF00ASXS is a 50% glass fiber reinforced PA66 for injection molded applications.

General

Material Status	• Commercial: Active
Availability	• Europe • North America
Filler / Reinforcement	• Glass Fiber, 50% Filler by Weight
Additive	• Mold Release
Features	• High Rigidity • High Strength
Agency Ratings	• ISO 1043 PA66 GF50
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding
Resin ID	• PA66-GF50

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.57	g/cm ³	ISO 1183
Water Absorption (24 hr, 73°F)	0.70	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	2.23E+6	psi	ISO 527-1
Tensile Stress (Yield, 73°F)	30500	psi	ISO 527-2
Tensile Strain (Break, 73°F)	2.4	%	ISO 527-2
Flexural Modulus (73°F)	2.05E+6	psi	ISO 178
Flexural Stress (73°F)	44200	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (73°F)	7.1	ft·lb/in ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	498	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	475	°F	ISO 75-2/A

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	158 to 194	°F
Drying Time	4.0	hr
Suggested Max Moisture	0.20	%
Rear Temperature	500 to 536	°F
Middle Temperature	518 to 536	°F
Front Temperature	518 to 536	°F
Nozzle Temperature	518 to 536	°F
Processing (Melt) Temp	518 to 536	°F
Mold Temperature	140 to 194	°F

