

Vydyne® PA66C D61

Ascend Performance Materials Operations LLC - *Polyamide 66 + PA 6*

General Information

Product Description

Vydyne PA66C D61 is a PTFE/silicone oil self-lubricated, unreinforced, PA66 for injection molded applications.

General

Material Status	• Commercial: Active
Availability	• Europe • North America
Additive	• Mold Release
Agency Ratings	• ISO 1043 PA66+PA6 SG
Forms	• Pellets
Processing Method	• Injection Molding
Resin ID	• (PA66+PA6)

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 73°F)	9430	psi	ISO 527-2
Tensile Strain (Break, 73°F)	10	%	ISO 527-2
Flexural Modulus (73°F)	319000	psi	ISO 178
Flexural Stress (73°F)	12300	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (73°F)	3.1	ft·lb/in ²	ISO 180/1A

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	500 to 536	°F
Front Temperature	500 to 536	°F
Nozzle Temperature	500 to 536	°F
Processing (Melt) Temp	500 to 536	°F
Mold Temperature	140 to 194	°F

Notes

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

