

Vydyne® RF005Z

 Ascend Performance Materials Operations LLC - *Polyamide 66*
General Information
Product Description

Vydyne RF005Z is a 25% glass fiber reinforced PA66 extrusion resin.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America
Filler / Reinforcement	• Glass Fiber, 25% Filler by Weight
Additive	• Lubricant
Features	• Good Stiffness • High Viscosity • High Molecular Weight • Lubricated
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Profile Extrusion
Resin ID	• PA66-GF25

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 73°F)	21800	psi	ISO 527-2
Tensile Strain (Break, 73°F)	2.8	%	ISO 527-2
Flexural Modulus (73°F)	957000	psi	ISO 178
Flexural Stress (73°F)	29000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (73°F)	3.3	ft·lb/in ²	ISO 180/1A
Unnotched Izod Impact Strength (73°F)	19	ft·lb/in ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	450	°F	ISO 75-2/A

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