

Vydyne® 21Z

Polyamide 66

Ascend Performance Materials Operations LLC

Message:

Vydyne 21Z is a general-purpose PA66 resin. It is available in natural and designed for extrusion-compounding applications. This resin offers a well balanced combination of engineering properties characterized by high strength, rigidity, good toughness, high melt point, good surface lubricity and abrasion resistance.

Vydyne 21Z maintains the chemical resistance typical of PA66 to many chemicals, machine and motor oils, solvents and gasoline.

Typical Applications/End Uses:

Compounding

General Information	
Features	Gasoline Resistance
	General Purpose
	Good Abrasion Resistance
	Good Chemical Resistance
	Good Toughness
	High Rigidity
	High Strength
	Low Viscosity
	Oil Resistant
	Solvent Resistant
Uses	Compounding
	General Purpose
Agency Ratings	EC 1935/2004
	EU 10/2011
	EU 2023/2006
	FDA 21 CFR 177.1500
	NSF 51
RoHS Compliance	RoHS Compliant
Appearance	Natural Color
Forms	Pellets
Processing Method	Compounding
	Compounding Extrusion

Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Viscosity Number (H2SO4 (Sulphuric Acid))	135 to 143	cm ³ /g	ISO 307
Bulk Density	674	g/l	ASTM D1895

Moisture Content	0.50	%	ASTM D6869
Relative Viscosity ¹	44.0 to 48.0		ASTM D789
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	260	°C	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Yellowness Index	4.0	YI	ASTM D1925

NOTE			
1.	Formic acid		

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