

Vydyne® 21Z

Ascend Performance Materials Operations LLC - Polyamide 66

General Information

Product Description

Vydyne 21Z is a general-purpose PA66 resin designed for extrusion and compounding applications. It is available in natural only. This resin offers a good 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.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• Abrasion Resistant	• Good Toughness	• Oil Resistant
	• Chemical Resistant	• High Rigidity	• Solvent Resistant
	• Gasoline Resistant	• High Strength	
	• General Purpose	• Low Viscosity	
Agency Ratings	• ASTM D4066 PA0111	• EU 10/2011	• NSF STD-51
	• ASTM D6779 PA0111	• EU 2023/2006	
	• EC 1935/2004	• FDA 21 CFR 177.1500	
Appearance	• Natural Color		
Forms	• Pellets		
Resin ID	• PA66		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Relative Viscosity			
-- ²	44.0 to 48.0		ASTM D789
-- ³	135 to 143		ISO 307
Moisture Content	0.50	%	ASTM D6869
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	500	°F	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Yellowness Index	4.0	YI	ASTM D1925

Notes

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

² Formic Acid

³ Sulphuric Acid

