



Vydyne® 21ZLV

Ascend Performance Materials Operations LLC - Polyamide 66

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General Information

Product Description

Vydyne 21ZLV is a lower-viscosity, general-purpose PA66 resin. It is available in natural and designed for extrusion-compounding applications. Vydyne 21ZLV is the feedstock of choice for highly filled products and reactive-compounding applications.

Vydyne 21ZLV 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 • Chemical Resistant • Gasoline Resistant • General Purpose	• Good Toughness • High Rigidity • High Strength • Low Viscosity	• Oil Resistant • Solvent Resistant
Uses	• Compounding		
Agency Ratings	• EC 1935/2004 • EU 10/2011	• EU 2023/2006 • FDA 21 CFR 177.1500	• NSF STD-51 • NSF STD-61
RoHS Compliance	• RoHS Compliant		
Automotive Specifications	• DELPHI M-7964A		
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Compounding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Viscosity Number (H ₂ SO ₄ (Sulphuric Acid))	112 to 122	cm ³ /g	ISO 307
Bulk Density	674	g/l	ASTM D1895
Moisture Content	< 0.35	%	ASTM D6869
Relative Viscosity ²	34.0 to 37.0		ASTM D789
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	500	°F	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Yellowness Index	< 15	YI	ASTM D1925
Additional Information	Nominal Value	Unit	Test Method
Amino End Groups ³	50 mmol/kg, min		Internal Method

Notes

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

² Formic acid

³ STM-00344 (APM internal test protocol)