



Vydyne® 21LS

Ascend Performance Materials Operations LLC - Polyamide 66

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General Information

Product Description

Vydyne 21LS is a low-viscosity, general-purpose PA66 resin used for extrusion-compounding. Vydyne 21LS enables mixing shear sensitive materials and high-percent filler concentration where distributive mixing is essential to the final product performance. The compounded product will maintain its high flow and performance needed for the application. Resistance of Vydyne 21LS to heat, oil and wear is typical of PA66 neat resins.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• Abrasion Resistant	• Good Toughness	• Oil Resistant • Solvent Resistant
	• Chemical Resistant	• High Rigidity	
	• Gasoline Resistant	• High Strength	
	• General Purpose	• Low Viscosity	
Uses	• Compounding		
Agency Ratings	• EC 1935/2004	• EU 2023/2006	
	• EU 10/2011	• FDA 21 CFR 177.1500	
RoHS Compliance	• RoHS Compliant		
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))	113 to 120	cm ³ /g	ISO 307
Bulk Density	674	g/l	ASTM D1895
Moisture Content	0.50	%	ASTM D6869
Relative Viscosity ²	34.5 to 37.5		ASTM D789
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