

Vydyne® 21LS

Ascend Performance Materials Operations LLC - *Polyamide 66*

General Information

Product Description

Vydyne 21LS is a low-viscosity, general purpose PA66 resin used for extrusion-compounding. Vydyne 21LS enables good blending with 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. Vydyne 21LS offers resistance to heat, oil, and wear in line with PA66 neat resins.

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
Agency Ratings	• EC 1935/2004 • EU 10/2011	• EU 2023/2006 • 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	34.5 to 37.5		ASTM D789
-- ³	113 to 120		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

