

# Vydyne® 21MST

Polyamide 66

Ascend Performance Materials Operations LLC

## Message:

Vydyne 21MST is a neat PA66 resin that is designed for extrusion-compounding applications. This general-purpose resin provides excellent viscosity stability against moisture throughout the extrusion process. Vydyne 21MST maintains its medium viscosity through the compounding step. Resistance of Vydyne 21MST to heat, oil and wear is typical of PA66 neat resins.

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		
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 <sup>3</sup>	ISO 1183
Viscosity Number (H2SO4 (Sulphuric Acid))	129 to 137	cm <sup>3</sup> /g	ISO 307
Bulk Density	674	g/l	ASTM D1895
Moisture Content	0.50	%	ASTM D6869

Relative Viscosity <sup>1</sup>	41.0 to 45.0		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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