

## Vydyne® 21FSR

Ascend Performance Materials Operations LLC - Polyamide 66

### General Information

#### Product Description

Vydyne 21FSR is a higher-viscosity, general purpose PA66 resin. It is available in natural and designed for extrusion-compounding applications. This resin offers a well balanced combination of engineering properties characterized by high strength, rigidity, good toughness, high melt point, good surface lubricity and abrasion resistance.

#### 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	• EC 1935/2004	• EU 2023/2006	
	• EU 10/2011	• FDA 21 CFR 177.1500	
Appearance	• Natural Color		
Forms	• Pellets		
Resin ID	• PA66		

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm <sup>3</sup>	ISO 1183
Relative Viscosity			
<sub>2</sub>	52.0		ASTM D789
<sub>3</sub>	148		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

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Formic Acid

<sup>3</sup> Sulphuric Acid

