

# Vydyne® 21FSR

Polyamide 66

Ascend Performance Materials Operations LLC

## Message:

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.

Vydyne 21FSR maintains the chemical resistance typical of PA66 to many chemicals, machine and motor oils, solvents and gasoline.

Typical Applications/End Uses:

Compounding

General Information	
Features	Low viscosity Rigidity, high High strength Solvent resistance Good wear resistance Good chemical resistance Gasoline resistance Oil resistance Good toughness General
Uses	Composite General
Agency Ratings	EC 1935/2004 EU 2023/2006 FDA 21 CFR 177.1500 Europe 10/1/2011 12:00:00 AM
RoHS Compliance	RoHS compliance
Appearance	Natural color
Forms	Particle
Processing Method	Composite Compound extrusion

Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm <sup>3</sup>	ISO 1183
Viscosity Number (H2SO4 (Sulphuric Acid))	143 - 153	cm <sup>3</sup> /g	ISO 307
Moisture Content	0.50	%	ASTM D6869
Volume density	674	g/l	ASTM D1895

Relative Viscosity <sup>1</sup>	48.0 - 54.0		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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**Recommended distributors for this material**

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