

## Vydyne® 31A1

Ascend Performance Materials Operations LLC - *Polyamide 66*

### General Information

#### Product Description

Vydyne 31A1 is a general-purpose PA66 resin designed for extrusion-compounding applications. 31A1 is natural in color and exhibits good color retention after compounding. Vydyne 31A1 provides the chemical resistance typical of PA66 to many chemicals, machine and motor oils, solvents, and gasoline.

#### General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• Chemical Resistant • Gasoline Resistant	• General Purpose • Good Color Stability	• Oil Resistant • Solvent Resistant
Agency Ratings	• ASTM D4066 PA0111	• ASTM D6779 PA0111	• SAE J1639 PA0121
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Extrusion		
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>	2.70		ISO 307
<sub>-- 3</sub>	48.0		ASTM D789
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	0.0	YI	ASTM D1925

### Notes

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

<sup>2</sup> Sulphuric Acid

<sup>3</sup> Formic Acid

