

# Vydyne® 50BW polyamide 66



Vydyne 50BW is general-purpose PA66 resin. Offered in natural and designed for extrusion-compounding applications, this product is available at two moisture levels: 0.2% (max) as 50BW and 0.5% (max) as 50BWFS.

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

Vydyne PA66 exhibits good initial color and color retention after compounding.

Typical Applications/End Uses:  
Compounding

General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• Gasoline Resistance • General Purpose	• Good Chemical Resistance • Good Color Stability	• Oil Resistant • Solvent Resistant
Uses	• Compounding	• General Purpose	
Agency Ratings	• ASTM D 4066 PA0111 • ASTM D 6779 PA0111 • EC 1935/2004	• EU 10/2011 • EU 2023/2006 • FDA 21 CFR 177.1500	• NSF 51 • NSF 61
RoHS Compliance	• RoHS Compliant		
Automotive Specifications	• ASTM D4066 PA0111	• ASTM D6779 PA0111	
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 (H <sub>2</sub> SO <sub>4</sub> (Sulphuric Acid))	137 to 148	cm <sup>3</sup> /g	ISO 307
Bulk Density	675	g/l	ASTM D1895
Moisture Content	0.20	%	ASTM D6869
Relative Viscosity <sup>2</sup>	45.0 to 51.0		ASTM D789
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

Typical properties: these are not to be construed as specifications.

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<sup>2</sup> Formic acid



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