

Vydyne® 50BW

Polyamide 66

Ascend Performance Materials Operations LLC

Message:

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 Vydyne 50BW and 0.5% (max) as Vydyne 50BWFS.

Vydyne 50BW provides the chemical resistance typical of PA66 to many chemicals, machine and motor oils, solvents and gasoline. Vydyne 50BW exhibits good initial color and color retention after compounding.

General Information			
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		
RoHS Compliance	RoHS Compliant		
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Appearance	Natural Color		
Forms	Pellets		
Processing Method	Compounding		
	Compounding Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Viscosity Number (H2SO4 (Sulphuric Acid))	137 to 148	cm ³ /g	ISO 307
Bulk Density	675	g/l	ASTM D1895
Moisture Content	0.20	%	ASTM D6869
Relative Viscosity ¹	45.0 to 51.0		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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