

Vydyne® 52BWMS

polyamide 66



Vydyne 52BWMS is a medium-viscosity resin used for extrusion-compounding. It is the product of choice for low-yellowness-required applications. This product with its higher viscosity is a part of the 50BW/50BWFS series. It provides melt stability during the compounding step to maintain its flow.

Resistance of Vydyne 52BWMS to heat, oil and wear is typical of PA66 neat resins.

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
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 ³	ISO 1183
Viscosity Number (H ₂ SO ₄ (Sulphuric Acid))	146 to 153	cm ³ /g	ISO 307
Bulk Density	674	g/l	ASTM D1895
Moisture Content	0.35	%	ASTM D6869
Relative Viscosity ²	50.0 to 54.0		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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² Formic acid



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