

Vydyne® 50BW

Ascend Performance Materials Operations LLC - Polyamide 66

General Information

Product Description

Vydyne 50BW is a general-purpose PA66 resin designed for extrusion-compounding applications. It is offered in natural only and exhibits ideal white color and good color retention after compounding. 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.

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 • EC 1935/2004 • EU 10/2011 • EU 2023/2006 • FDA 21 CFR 177.1500 • NSF STD-51
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Extrusion
Resin ID	• PA66

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Relative Viscosity			
²	45.0 to 51.0		ASTM D789
³	137 to 148		ISO 307
Moisture Content	0.20	%	ASTM D6869
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

¹ Typical properties: these are not to be construed as specifications.

² Formic Acid

³ Sulphuric Acid

