



Vydyne® 85XFS

Ascend Performance Materials Operations LLC - Polyamide 66/6 Copolymer

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General Information

Product Description

Vydyne 85XFS is a general-purpose PA66/6 copolymer resin. It is available in natural and is designed for extrusion-compounding applications. This copolymer PA66/6 resin provides a lower melting point and can be used for compounding thermally sensitive additives or fillers. This resin offers a well balanced combination of engineering properties characterized by high strength, rigidity, good toughness, high melt point, good surface lubricity and abrasion resistance.

Vydyne 85XFS maintains the chemical resistance typical of PA66/6 to many chemicals, machine and motor oils, solvents and gasoline.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• Abrasion Resistant	• General Purpose	• Oil Resistant • Solvent Resistant
	• Chemical Resistant	• Good Toughness	
	• Copolymer	• High Rigidity	
	• Gasoline Resistant	• High Strength	
Uses	• Compounding		
Agency Ratings	• EC 1935/2004	• EU 10/2011	• EU 2023/2006
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Compounding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Viscosity Number (H ₂ SO ₄ (Sulphuric Acid))	135 to 146	cm ³ /g	ISO 307
Bulk Density	674	g/l	ASTM D1895
Moisture Content	0.50	%	ASTM D6869
Relative Viscosity ²	44.0 to 50.0		ASTM D789
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	473	°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