

Vydyne® 85XFS

Polyamide 66/6 Copolymer

Ascend Performance Materials Operations LLC

Message:

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.

Typical Applications/End Uses:

Compounding

General Information			
Features	Copolymer		
	Gasoline Resistance		
	General Purpose		
	Good Abrasion Resistance		
	Good Chemical Resistance		
	Good Toughness		
	High Rigidity		
	High Strength		
	Oil Resistant		
	Solvent Resistant		
Uses	Compounding		
	General Purpose		
Agency Ratings	EC 1935/2004		
	EU 10/2011		
	EU 2023/2006		
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))	135 to 146	cm ³ /g	ISO 307
Bulk Density	674	g/l	ASTM D1895
Moisture Content	0.50	%	ASTM D6869
Relative Viscosity ¹	44.0 to 50.0		ASTM D789

Thermal	Nominal Value	Unit	Test Method
Melting Temperature	245	°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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