

Vydyne® 85XFS

polyamide 66/6 copolymer



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			
Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
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 (H ₂ SO ₄ (Sulphuric Acid))		135 to 146 cm ² /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

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

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² Formic acid



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