

Vydyne® 86XFS

polyamide 66/6 copolymer



Vydyne 86XFS is a medium-viscosity PA66/6 random copolymer used for extrusion-compounding. This copolymer is specifically designed to be used with FR packages and high mineral loadings due to its lower melting point. It provides a good surface finish to the final product.

Typical Applications/End Uses:
Compounding

Vydyne 86XFS 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 • Chemical Resistant • Copolymer • Gasoline Resistant	• General Purpose • Good Toughness • High Rigidity • High Strength	• Oil Resistant • Solvent Resistant
Uses	• Compounding		
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))	137 to 148	cm ² /g	ISO 307
Bulk Density	674	g/l	ASTM D1895
Moisture Content	0.50	%	ASTM D6869
Relative Viscosity ²	45.0 to 51.0		ASTM D789

Thermal	Nominal Value	Unit	Test Method
Melting Temperature	235	°C	ISO 11357-3

Optical	Nominal Value	Unit	Test Method
Yellowness Index	4.0	YI	ASTM D1925

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Notes

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

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² Formic acid



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