

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	• 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))		137 to 148 cm ³ /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		455 °F	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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