



Vydyne® 86XFS

Ascend Performance Materials Operations LLC - Polyamide 66/6 Copolymer

Monday, November 4, 2019

General Information

Product Description

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.

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		

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))	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

Notes

¹ Typical properties: these are not to be construed as specifications.

² Formic acid