

Vydyne® 86XFS

Ascend Performance Materials Operations LLC - *Polyamide 66*

General Information

Product Description

Vydyne 86XFS is a general purpose PA66/6 copolymer resin designed for extrusion-compounding applications. It is available in natural only. This copolymer resin provides a lower melting point and can be used for compounding thermally sensitive additives or fillers. It 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 86XFS exhibits chemical resistance to many chemicals, machine and motor oils, solvents, and gasoline.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• Abrasion Resistant	• General Purpose	• Oil Resistant
	• Chemical Resistant	• Good Toughness	• Solvent Resistant
	• Copolymer	• High Rigidity	
	• Gasoline Resistant	• High Strength	
Agency Ratings	• EC 1935/2004	• EU 10/2011	• EU 2023/2006
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Extrusion		
Resin ID	• PA66		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Relative Viscosity			
-- ²	45.0 to 51.0		ASTM D789
-- ³	137 to 148		ISO 307
Moisture Content	0.50	%	ASTM D6869
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

³ Sulphuric Acid

