

## Vydyne® 85XFS

Ascend Performance Materials Operations LLC - *Polyamide 66/6 Copolymer*

### General Information

#### Product Description

Vydyne 85XFS 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 85XFS 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 • Chemical Resistant • Copolymer • Gasoline Resistant	• General Purpose • Good Toughness • High Rigidity • High Strength	• Oil Resistant • Solvent Resistant
Agency Ratings	• EC 1935/2004	• EU 10/2011	• EU 2023/2006
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Extrusion		
Resin ID	• PA66/6		

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm <sup>3</sup>	ISO 1183
Relative Viscosity			
-- <sup>2</sup>	44.0 to 50.0		ASTM D789
-- <sup>3</sup>	135 to 146		ISO 307
Moisture Content	0.50	%	ASTM D6869
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

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Formic Acid

<sup>3</sup> Sulphuric Acid

