



Technical Data Sheet

AMPLIFY™ Si PE 1000 Polymer System

AMPLIFY™ Si PE 1000 Polymer System is a thermoplastic silicone hybrid pellet designed for use in natural fiber filled plastic composite applications as a highly effective processing and performance aid.

Features & Benefits

- Provides significant improvement in mechanical properties and enables higher processing flexibility
- Manufacturing process and efficiency improvement:
 - Higher throughput
 - Lower melt temperature
 - Less thermal degradation of raw materials
 - Reduced energy costs and reduced carbon footprint

Composition

AMPLIFY™ Si PE 1000 Polymer System is a polyethylene-based, containing performance and process aid.

Applications

- Wood plastic composite applications

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Test ¹	Property	Unit	Result
ASTM D792	Density	g/cm ³	0.96
ASTM D1238	Melt Flow Rate @ 190° C /2.16 kg	g/10 min	21
	Color		Off-white

1. ASTM: American Society for Testing and Materials

How to Use

AMPLIFY™ Si PE 1000 Polymer System can be used in extrusion or injection molded process. Detailed processing information should be obtained from your Dow technical service representative.



Handling Precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

Usable Life and Storage

This product has a usable life of 24 months from the date of production.

Packaging Information

This product is available in different standard container sizes. Detailed container size information should be obtained from your nearest Dow sales office.

Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Health and Environmental Information

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, dow.com or consult your local Dow representative.

