



## MAXIMIZING THE POTENTIAL OF PLASTIC



EXPERTS AT INCORPORATING PLASTIC ADDITIVES

**PolyAd**<sup>®</sup>  
Services

PolyAd is a global organization, focused on resolving incorporation and performance problems associated with plastic additives.

PolyAd Services specializes in delivering up to 100% active, customer specific additive formulations, processed under ambient conditions. Our solutions improve our customer's process capability and reduce operating costs. These formed blends are tailored to address a variety of technical challenges.

## Custom Solutions for all Types of Additive

Acid Scavengers  
Antiblocks  
Antioxidants  
Benzotriazoles  
Chain Extenders  
Compatibilizers  
Cross-linkers  
Flame Retardant Synergists

Flame Retardants  
Fluorinated Polymers  
Halide Salts  
Hindered Amine  
Light Stabilizers  
Lubricants  
Impact Modifiers  
Molecular Weight Modifiers

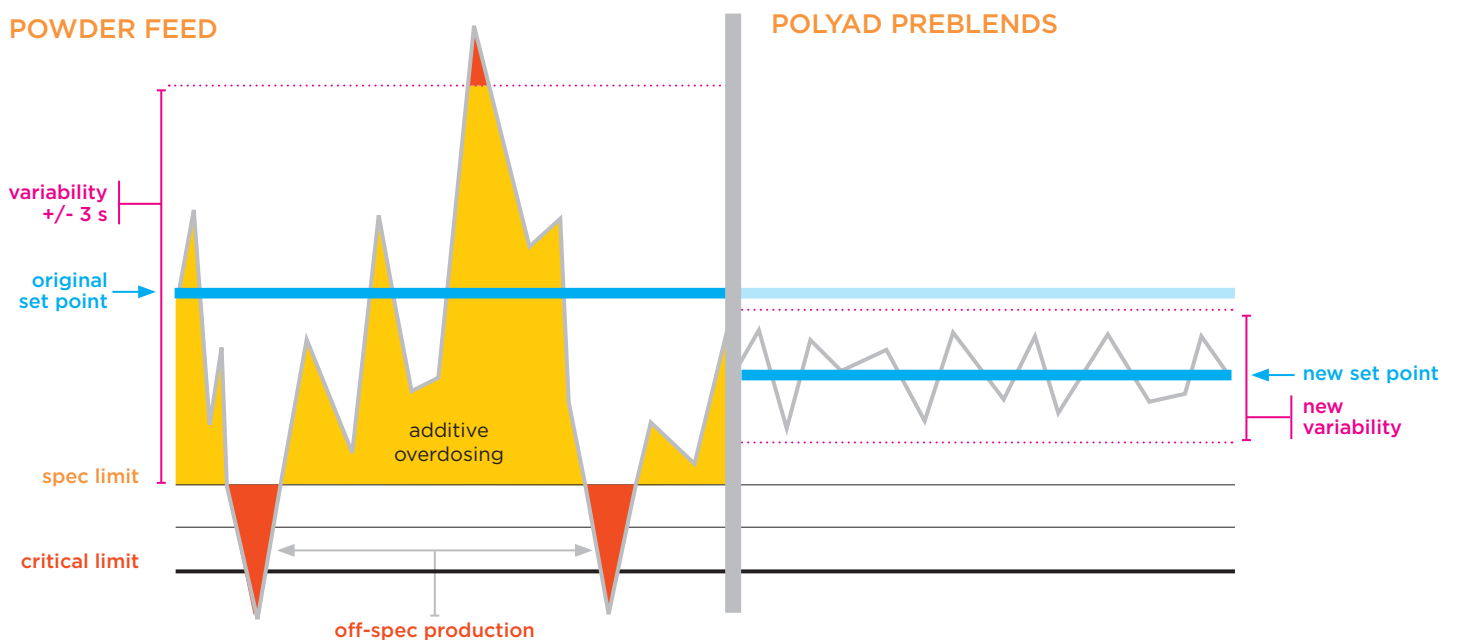
Nucleators and Clarifiers  
Odor Absorbents  
Plasticizers  
Process Stabilizers  
Slip Agents  
Tackifiers  
Tints and Toners  
UV Absorbents

### FROM CHAOS TO CONTROL:

PolyAd's fully formulated, low-dust solutions increase dosing accuracy, conserve raw materials and improve quality.

#### POWDER FEED

#### POLYAD PREBLEND



# INNOVATION

PolyAd<sup>®</sup> Services works to meet technical challenges by providing custom solutions to market needs.

## THERMAL MANAGEMENT

For over 25 years, PolyAd Services has offered world-class expertise in the area of heat stabilization, especially for Nylon based polymers.



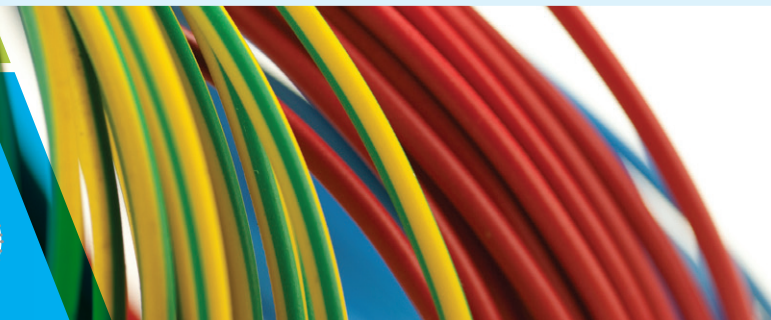
## RECYCLE

To address our customers' needs for more sustainable products, PolyAd Services has developed a series of technical solutions to common recycling problems.



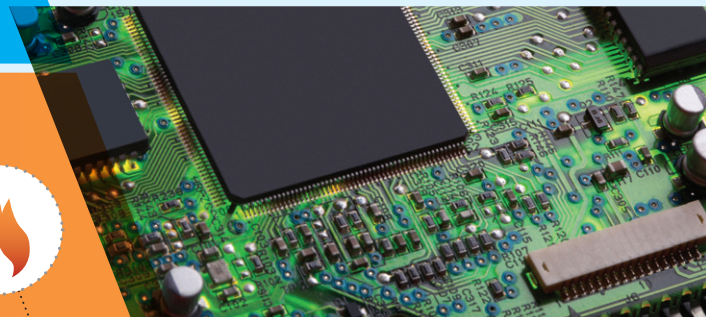
## WIRE/CABLE

PolyAd Services offers an array of blends to stabilize resins for use in automotive, high energy, photovoltaic and submarine wire and cable applications.



## FLAME RETARDANTS

PolyAd Services has developed specific additive packages including fully formulated flame retardant systems, designed to meet UL-targeted performance, and packages for Antimony free synergists.



## Benefits for our Customers

- **REDUCE** operating expenses through better process control
- **IMPROVE** handling, feeding and dispersion
- **MINIMIZE** dust, improved hygiene and housekeeping
- **REDUCE** warehousing, logistics and testing costs
- **BOOST** profitability by increased production of “on-aim” product
- **ELIMINATE** unnecessary heat history
- **PROVIDE** a competitive advantage



## Case Studies

### 1 HANDLING MULTIPLE COMPONENT SYSTEMS

Nine Component System



PolyAd Preblend



### 2 COMPATIBILIZATION

PolyAd recycling innovations can improve the visual and physical properties of complex recycle streams. The below example shows recycled multilayer barrier film which contains PE and PET.

PolyAd Preblends

- Reduced complexity
- Easier handling
- Increased output
- Greater accuracy and dependability
- Less capital investment and maintenance



WITHOUT COMPATIBILIZATION

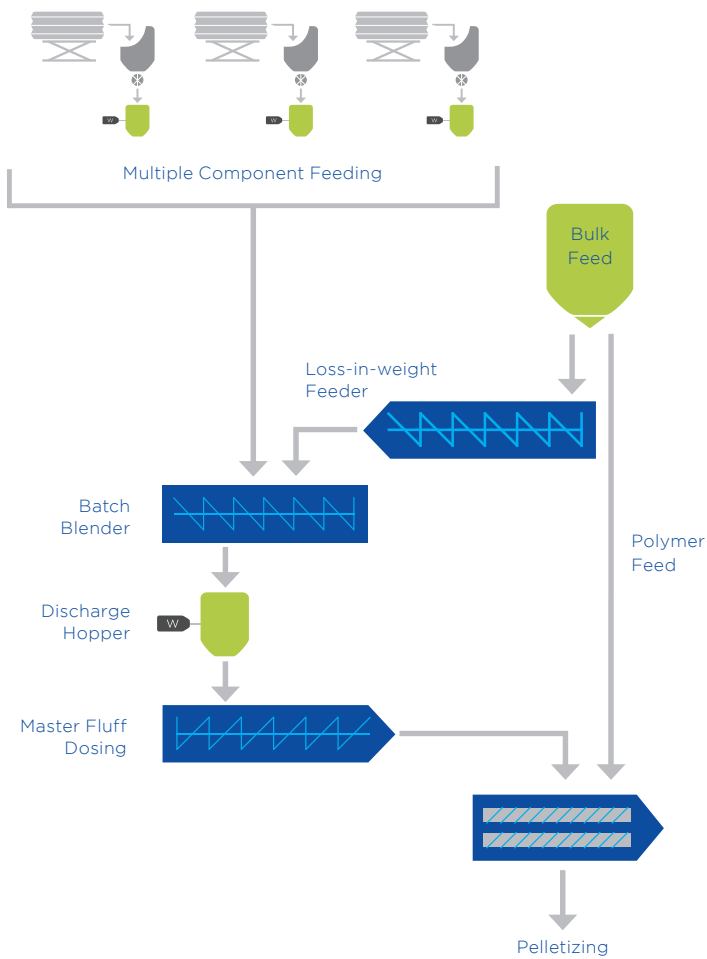


WITH COMPATIBILIZATION

# Feeding and Dosing

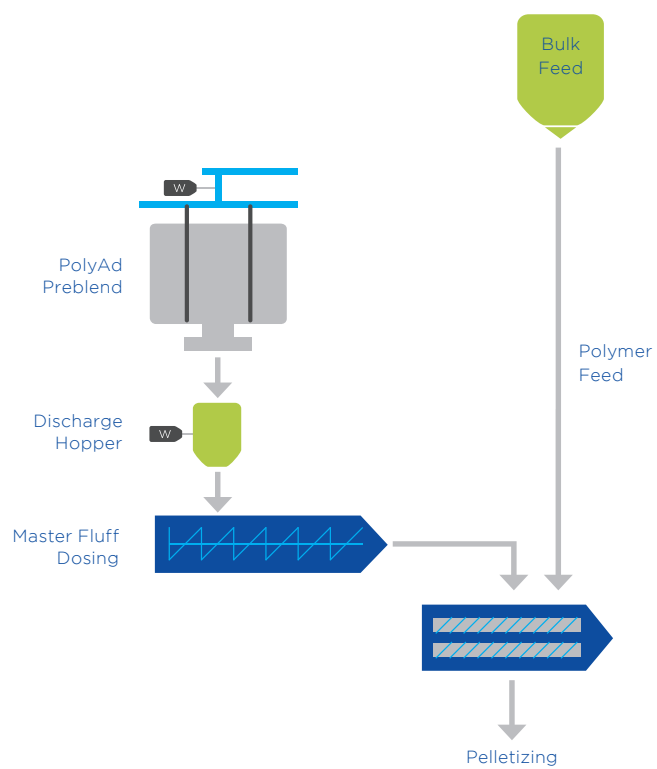
PolyAd Preblends simplify handling, increase dosing accuracy, and improve efficiency.

## INDIVIDUAL COMPONENTS/POWDER BLENDS



## POLYAD PREBLENDS

- Reduced complexity
- Easier handling
- Increased output
- Greater accuracy and dependability
- Less capital investment and maintenance



**PolyAd**® Services

# PolyAd<sup>®</sup> Services

## **PolyAd Services, LLC**

4170 Shoreline Drive  
Earth City, Missouri 63045  
United States

Customer Service (North and South America)

Tel: 1 314 506 3136

1 800 223 2286

Fax: 1 314 506 3202

Email: [nafta.servicedesk@polyadservices.com](mailto:nafta.servicedesk@polyadservices.com)

## **PolyAd Services GmbH**

Chemiestrasse  
Building L31  
D-68623 Lampertheim  
Germany

Customer Service (Europe, Africa, Middle East and Asia)

Tel: ++49 6206 15 2301

Fax: ++49 6206 15 2309

Email: [europe.servicedesk@polyadservices.com](mailto:europe.servicedesk@polyadservices.com)

## **Technical Sales Consultants**

Europe: [europe.techsales@polyadservices.com](mailto:europe.techsales@polyadservices.com)

Nafta: [nafta.techsales@polyadservices.com](mailto:nafta.techsales@polyadservices.com)

South America: [samerica.techsales@polyadservices.com](mailto:samerica.techsales@polyadservices.com)

Asia: [asia.techsales@polyadservices.com](mailto:asia.techsales@polyadservices.com)

Africa/Middle East: [africa.middleeast@polyadservices.com](mailto:africa.middleeast@polyadservices.com)

**[www.polyadservices.com](http://www.polyadservices.com)**

