



**ELSEWEDY**  
**POLYMERS**

# Engineered to Grow

Compounds & Masterbatch solutions for  
Modern Agriculture

## About Elsewedy Polymers

**Elsewedy Polymers** is a specialized arm of **Elsewedy Electric**, focused on the development and supply of polymer compounds for manufacturing applications.

Leveraging the group's industrial capabilities and market reach, Elsewedy Polymers provides reliable, high-performance materials designed to meet the technical and operational requirements of modern agriculture.

**160,000 MT**

Annual  
Production  
Capacity  
*(and growing)*

**800+ Employees**

Driving engineering, production, and operational excellence

**37 Production Lines**

Ensuring scalable and reliable manufacturing

**Exports to 25+ Countries**

Serving Manufacturers across Europe, Africa and the Middle East

**5 Manufacturing Facilities**

Driving engineering, production, and operational excellence

## Elsewedy Electric

**Elsewedy Electric** is a global infrastructure solutions provider, evolving from a local manufacturer of electrical products into an integrated, multi-sector organization.

The group operates across **five core sectors**: Wire, Cable & Accessories, Electrical Products, Engineering & Construction, Digital Solutions, and Infrastructure Investments.

With **31 production facilities** across Africa and Asia, **exports to more than 110 countries**, 19,000 employees, and revenues exceeding **USD 5 billion** in 2025, Elsewedy Electric delivers large-scale, high-quality solutions worldwide.

# Why Global Manufacturers Choose Elsewedy Polymers



## 01. Industrial-Scale Production

With 37 production lines and 160,000 MT annual capacity, we provide the manufacturing scale required to support large industrial supply chains.

## 02. In-House Testing & Technical Support

Our technical teams provide material testing, simulation, and consultation, ensuring compounds meet the precise needs of each application.

## 03. Strategic Global Location

Operating from Egypt enables efficient logistics between Europe, Africa, and the Middle East, providing faster market access compared with distant suppliers.

## 04. Trusted Industrial Heritage

As part of Elsewedy Electric Group, we build on decades of experience supplying materials for manufacturing.

## 05. Custom Polymer Engineering

We design customized polymer formulations to meet specific application requirements while improving performance and safety.

## Irrigation Pipes

Irrigation pipes face sunlight, heat, and harsh environments, which can accelerate aging, cause color fading, and shorten service life. Elsewedy Polymers offers specialized masterbatch solutions that help enhance UV resistance, processing stability, and long-term durability for reliable field performance.



### Color Masterbatch

| Grade   | Color | Polymer Carrier | Heat Stability °C | Typical Dosage (%) | % of Pigment |
|---------|-------|-----------------|-------------------|--------------------|--------------|
| SB50000 | Black | PE              | 300               | 4-6%               | 50           |
| SB40100 | Black | PE              | 300               | 4-6%               | 40           |

### Additive Masterbatch

| Additive Type       | Grade                            | Carrier | Typical Dosage (%) |
|---------------------|----------------------------------|---------|--------------------|
| Processing Aid      | SE900769                         | PE      | 1-3%               |
| Flame Retardant     | SE901103                         | PE      | Up to 20%          |
| UV Stabilizer       | SE900748                         | PE      | Up to 4%           |
| Anti-Oxidant        | SE900873                         | PE      | Up to 3%           |
| Desiccant           | SDM70000                         | PE      | Up to 2%           |
| Laser Marking       | SP100423 White<br>SP901255 Black | PP      | Up to 1.5%         |
| Purging Material    | SE900858                         | PE      | Up to 75%          |
| Mechanical Enhancer | SE900798                         | PE      | Up to 10%          |
| Filler MB           | SF840001                         | PE      | Up to 30%          |

## Irrigation Hoses & Systems

Agricultural irrigation systems must withstand outdoor conditions while staying flexible and effective over time. Elsewedy Polymers provides masterbatch solutions designed to support weather resistance, durability, and efficient processing.

### Color Masterbatch

| Grade   | Color | Polymer Carrier | Heat Stability °C | Typical Dosage (%) | Carbon Black (%) |
|---------|-------|-----------------|-------------------|--------------------|------------------|
| SB50000 | Black | PE              | 300               | 4-6%               | 50               |
| SB40100 | Black | PE              | 300               | 4-6%               | 40               |
| SB40000 | Black | PE              | 300               | 4-6%               | 40               |

### Additive Masterbatch

| Additive Type       | Grade                            | Carrier | Typical Dosage (%) |
|---------------------|----------------------------------|---------|--------------------|
| Processing Aid      | SE900769                         | PE      | 1-3%               |
| Flame Retardant     | SE901103                         | PE      | Up to 20%          |
| UV Stabilizer       | SE900748                         | PE      | Up to 4%           |
| Anti-Oxidant        | SE900873                         | PE      | Up to 3%           |
| Desiccant           | SDM70000                         | PE      | Up to 2%           |
| Laser Marking       | SP100423 White<br>SP901255 Black | PP      | Up to 1.5%         |
| Purging Material    | SE900858                         | PE      | Up to 75%          |
| Mechanical Enhancer | SE900798                         | PE      | Up to 10%          |
| Odor Absorber       | SE901271                         | PE      | Up to 2%           |



## Mulch Film

Mulch films are exposed to harsh environmental conditions during cultivation, so they require durability and key performance properties to support crop development. Elsewedy Polymers offers additive and color masterbatch solutions that help improve film performance and longevity in the field.

### Color Masterbatch

| Grade     | Color  | Polymer Carrier | Heat Stability °C | Typical Dosage (%) | Carbon Black (%) |
|-----------|--------|-----------------|-------------------|--------------------|------------------|
| SE901178F | Black  | PE              | 300               | 4-6%               | 40               |
| SE900705L | Silver | PE              | 280               |                    | ---              |
| SE500347f | Brown  | PE              | 280               |                    | ---              |

### Additive Masterbatch

| Additive Type    | Grade    | Carrier | Typical Dosage (%) |
|------------------|----------|---------|--------------------|
| Processing Aid   | SE900574 | PE      | 1-3%               |
| IR Additive      | SE900676 | PE      | 5-10 %             |
| UV Stabilizer    | SE900741 | PE      | 1-5%               |
| Anti-Oxidant     | SE901254 | PE      | 1-4%               |
| Purging Material | SE900858 | PE      | Up to 75%          |



## Plastic Net

Prolonged exposure to sunlight and outdoor weathering can reduce the strength and effectiveness of agricultural plastic nets. Elsewedy Polymers provides specialized masterbatch solutions that help maintain UV stability, appearance, and mechanical performance over extended periods of use.



### Color Masterbatch

| Grade     | Color | Polymer Carrier | Heat Stability °C | Typical Dosage (%) | % of pigment |
|-----------|-------|-----------------|-------------------|--------------------|--------------|
| SP100367F | White | PP              | 300               | 1-3%               | 60           |

### Additive Masterbatch

| Additive Type | Grade    | Carrier | Typical Dosage (%) |
|---------------|----------|---------|--------------------|
| UV Stabilizer | SP901114 | PP      | 1-5%               |
| Anti-Oxidant  | SP901407 | PP      | 1-3%               |

## Silage Bag

Silage bags must maintain their integrity during storage to help protect feed quality and minimize losses caused by environmental exposure. Elsewedy Polymers offers masterbatch solutions that support film durability and long-term outdoor performance.

### Color Masterbatch

| Grade     | Color | Polymer Carrier | Heat Stability °C | Typical Dosage (%) | % of pigment |
|-----------|-------|-----------------|-------------------|--------------------|--------------|
| SE901178F | Black | PE              | 300               | 1-3%               | 40           |
| SE100429  | white | PE              | 300               | 1-3%               | 70           |

### Additive Masterbatch

| Additive Type    | Grade        | Carrier | Typical Dosage (%) |
|------------------|--------------|---------|--------------------|
| UV Stabilizer    | SE900708/120 | PE      | 1-5%               |
| Purging Material | SE900858     | PE      | Up to 75%          |



## Greenhouse

Greenhouse films play a critical role in managing light transmission, temperature, and crop protection. Elsewedy Polymers provides functional additive solutions that help optimize greenhouse performance and support productive growing environments.

### Additive Masterbatch

| Additive Type     | Grade                         | Carrier | Typical Dosage (%) |
|-------------------|-------------------------------|---------|--------------------|
| IR additive       | SE900676                      | PE      | 1-5%               |
| UV Stabilizer     | SE900748<br>SE900741 SE900917 | PE      | 2-6%               |
| Purging Material  | SE900858                      | PE      | Up to 75%          |
| Anti fog MB       | SE901180                      | PE      | Up to 3%           |
| Light diffuser MB | SE900868                      | PE      | 4-6%               |
| Heat blocker      | SE901184F                     | PE      | Up to 5%           |



## Solarization / Fumigation

Solarization and fumigation films require effective thermal performance and durability to ensure successful soil treatment processes. Elseweddy Polymers offers additive solutions designed to support these requirements while maintaining reliable outdoor performance.

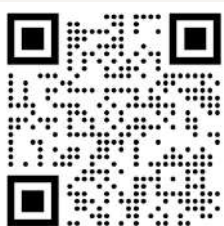
### Additive Masterbatch

| Additive Type    | Grade    | Carrier | Typical Dosage (%) |
|------------------|----------|---------|--------------------|
| IR additive      | SE900676 | PE      | 1-5%               |
| Purging Material | SE900858 | PE      | Up to 75%          |





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