

## Orco Synthrowite GWS2 Powder™

**Orco Synthrowite GWS2 Powder™** is a high molecular weight optical brightener belonging to the class of stilbene benzoxazole derivatives. Due to its unique characteristics it can be used in a wide range of polymers and particularly in thermoplastic materials and synthetic resins such as polyester, polyamide, polycarbonate, acrylics, and styrene homo- and co-polymers.

### Advantages

- Excellent whitening yield
- Low migration in polymeric materials
- Excellent thermal stability
- Good lightfastness
- Intensity helps reduce required amounts of dyes or pigments
- Can be used to augment shade of dyes or pigments
- Approved for indirect food contact

### Physical Properties

<b>Chemical type</b>	stilbene benzoxazole derivative	
<b>Appearance</b>	yellow powder	
<b>Molecular Weight</b>	414.4	
<b>Melting Point</b>	~670°F(355°C)	
<b>Bulk Density</b>	1.35 g/cm <sup>3</sup>	
<b>Solubilities (g/100ml@25°C)</b>	Acetone	<0.01
	Chloroform	<0.01
	n-Hexane	<0.01
	Methanol	<0.01
	Water	<0.01
	1,1,1 - Trichlorethane	<1.0
	N-Methyl-pyrrolidon	<1.0

### Use

#### **Most polymers:**

- 0.0005 -0.1 % by weight of polymer

#### **Polyester Fibers:**

- Recommended amount is 0.02% by weight of fiber.

### Storage

Store in original closed container in a dry cool place.