**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

<table>
<thead>
<tr>
<th>Chemical type</th>
<th>stilbene benzoxazole derivative</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>yellow powder</td>
</tr>
<tr>
<td><strong>Molecular Weight</strong></td>
<td>414.4</td>
</tr>
<tr>
<td><strong>Melting Point</strong></td>
<td>~670°F (355°C)</td>
</tr>
<tr>
<td><strong>Bulk Density</strong></td>
<td>1.35 g/cm³</td>
</tr>
</tbody>
</table>

**Solubilities (g/100ml@25°C)**

- 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.