Orco Dye Carrier LLR-S™

**Orco Dye Carrier LLR-S™** is a low-odor dye carrier for atmospheric dyeing and high temperature leveling of polyester.

### Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>Slightly yellow liquid</td>
</tr>
<tr>
<td><strong>Ionic charge</strong></td>
<td>nonionic/anionic</td>
</tr>
<tr>
<td><strong>Chemical type</strong></td>
<td>alkyd amide blend</td>
</tr>
<tr>
<td><strong>Stability</strong></td>
<td>protect from excessive heat and cold</td>
</tr>
</tbody>
</table>

### Advantages

- Excellent yield
- Good leveling properties
- Ease of use
- Very low odor

### Procedures

**Atmospheric**

Prepare bath with the following:

- 6.0 - 9.0% **Orco Dye Carrier LLR-S™** * on weight of goods(owg)
- X% owg Glacial Acetic Acid 50% to pH of 4.5 - 5.0

Circulate for 10 minutes at 100-110°F(38-43°C).

Add Orcocilacron™ disperse dye and bring temperature to 208°F(98°C) and run for 60 minutes.

Drop bath, rinse well, and dry. *Dependent on depth of shade.

**High Temperature**

Same procedure as listed above with the following changes:

2.0% - 4.0% owg **Orco Dye Carrier LLR-S™**, X% owg Glacial Acetic Acid 56% to pH of 2.5 - 5.0

Run at 265°F(130°C) for 45 minutes.

On heavy shades, the use of **Orco Synclear PD™** will help remove any loose dye and improve crocking.