Sustainability is our responsibility. At DyStar, our products and services help customers worldwide reduce costs, shorten lead times and meet stringent quality and ecological specifications.
Black shades require high amounts of dyes. The new Remazol® Onyx RGB is a highly concentrated Black with outstanding properties

- White dischargeable in all color depths
- Very low staining of polyamide in fiber blends
- Medium substantivity for reliable dyeing results

Remazol Onyx RGB can be used in all Remazol, Remazol RGB / Remazol Ultra RGB combinations

The new, innovative Remazol Onyx RGB offers optimum solution exhaust and padding application when deepest Blacks are required

The advantages of Remazol Onyx RGB at a glance

**Color Confidence®**
- Neutral to reddish shade
- Low staining of polyamide in fiber blends
- White dischargeable in all color depths

**Controlled Coloration®**
- Very good reproducibility and levelness
- Balanced migration behavior
- Flexible use in exhaust, cold pad-batch and continuous processes
- Good wash-off behavior

Remazol Onyx RGB econfidence® facts

- AOX free
- Metal free
- Full compliance with Oeko-Tex® Standard 100
- Meets all Restricted Substance Lists (RSL)
- Applied for GOTS approval
- Submitted to bluesign®
- Retailer brand image

### Remazol® Onyx RGB: Technical Properties

**Econference® from DyStar®**

**Remazol® Onyx RGB: For deepest Blacks with neutral to reddish shade**

**Committed to Sustainability**

**For Deep Black shades in exhaust process:**
Minimum recommended salt amount is 80 g/l in LR 10:1. In general mix alkali (soda ash/caustic soda) leads to deeper shades.

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### Remazol® Onyx RGB: Select fastness properties (on bleached, mercerized woven cotton fabric)

<table>
<thead>
<tr>
<th>Property</th>
<th>CO</th>
<th>PA 6.6, filament</th>
<th>PA 6.6, staple fiber</th>
<th>CA</th>
<th>CTA</th>
<th>CV</th>
<th>PES</th>
<th>PAN</th>
<th>WO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Depth</td>
<td>1/1</td>
<td>3-4</td>
<td>3-4</td>
<td>80</td>
<td>80</td>
<td>80</td>
<td>80</td>
<td>110</td>
<td>110</td>
</tr>
</tbody>
</table>

### For Home laundry / washing:

<table>
<thead>
<tr>
<th>Temperature</th>
<th>CO</th>
<th>PA 6.6, filament</th>
<th>PA 6.6, staple fiber</th>
<th>CA</th>
<th>CTA</th>
<th>CV</th>
<th>PES</th>
<th>PAN</th>
<th>WO</th>
</tr>
</thead>
<tbody>
<tr>
<td>50°C / ISO 105-C06-B2S</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>60°C / ISO 105-C06-C2S</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
</tr>
</tbody>
</table>

### Staining to multifiber during standard dyeing process

- CO
- PA 6.6, filament
- PA 6.6, staple fiber
- CA
- CTA
- CV
- PES
- PAN
- WO

### Alkaline Dischargeability

**Recipes for dischargeability**

<table>
<thead>
<tr>
<th>Component</th>
<th>White</th>
<th>Colored</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sera® Print M-CAM 1%</td>
<td>950</td>
<td>950</td>
</tr>
<tr>
<td>Demineralized water, cold</td>
<td>250</td>
<td>250</td>
</tr>
<tr>
<td>Potash</td>
<td>120</td>
<td>120</td>
</tr>
<tr>
<td>Indanthren® Yellow SGE (4x)</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Balance (viscosity approx. 35 d. Pa.s)</td>
<td>1000g</td>
<td>1000g</td>
</tr>
</tbody>
</table>

**Very low staining to non-cellulosic fibers**

**Fully white dischargeable**
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Remazol® Onyx RGB: For deepest Blacks with neutral to reddish shade

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**Remazol® Onyx RGB: Technical Properties**

**Compatibility with Processes**

- For Deep Black shades in exhaust process:
  - Minimum recommended salt amount is 80 g/l in LR 10:1.
  - In general mix alkaline (soda ash/caustic soda) leads to deeper shades.

**Solubility under neutral dyeing conditions**

<table>
<thead>
<tr>
<th>Substantivity</th>
<th>Reactivity</th>
<th>Fixation value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medium</td>
<td>Medium</td>
<td>80%</td>
</tr>
</tbody>
</table>

**Selected fastness properties (on bleached, mercerized woven cotton fabric)**

<table>
<thead>
<tr>
<th>Standard Depth</th>
<th>Black</th>
<th>1/1</th>
<th>1/3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light fastness ISO 105-B02</td>
<td>4</td>
<td>3-4</td>
<td>3-4</td>
</tr>
</tbody>
</table>

**Nitrogen fastness ISO 105-G01 3x**

- 4-5

**Chlorine fastness ISO 105-E03 (20 ppm)**

- 3R

**Staining to multifiber during standard dyeing process**

- CO
- PA 6.6, filament
- PA 6.6, staple fiber
- CA
- CTA
- WO
- PES
- PAN
- CV
- CO bleached, merc.

**Alkaline Dischargeability (on CPB dyeing with 50 g/l)**

- White dischargeability
- Color dischargeability

**Recipes for dischargeability**

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>white</th>
<th>colored</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sera Print M-CAM 11%</td>
<td>9</td>
<td>950</td>
</tr>
<tr>
<td>Deionized water, cold</td>
<td>9</td>
<td>250</td>
</tr>
<tr>
<td>Potash</td>
<td>6</td>
<td>130</td>
</tr>
<tr>
<td>Indanthrene Yellow SGE</td>
<td>6</td>
<td>Balance (viscosity approx. 35 d. Pa.s)</td>
</tr>
<tr>
<td>1000g</td>
<td>1000g</td>
<td></td>
</tr>
</tbody>
</table>

Very low staining to non-cellulosic fibers

Fully white dischargeable

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