DK-2002P

- Color Deepening Agent For Padding

DK-2002P is a color deepening agent for padding, which is used for both synthetic and natural fibers. It shows excellent color deepness, cleerness and luster effects, without deteriorating dyeing fastness or light fastness.

<table>
<thead>
<tr>
<th>♦ SPECIFICATION</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>* APPEARANCE</td>
<td>Milky White Liquid</td>
</tr>
<tr>
<td>* IONIC NATURE</td>
<td>Weak Cationic</td>
</tr>
<tr>
<td>* pH (1% aq.sol'n)</td>
<td>5.0 ± 1.0</td>
</tr>
<tr>
<td>* SP.GR(at 25℃)</td>
<td>1.05 ± 0.05</td>
</tr>
<tr>
<td>* SOLUBILITY</td>
<td>Easily disperse in cold water.</td>
</tr>
<tr>
<td>* STORAGE STABILITY</td>
<td>Min. 1 year under cool and dry conditions when stored in original sealed, packaging.</td>
</tr>
<tr>
<td>* COMPATABILITY</td>
<td>The combination with surfactants not recommended may deteriorate its efficiency. Please be careful.</td>
</tr>
<tr>
<td>* ECOLOGY/TOXICITY</td>
<td>Refer to MSDS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>♦ FEATURES</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1) DK-2002P has excellent cleerness, luster and color deepness effects.</td>
<td></td>
</tr>
<tr>
<td>2) DK-2002P has excellent dyeing fastness, light fastness and rub fastness.</td>
<td></td>
</tr>
<tr>
<td>3) DK-2002P provides excellent color developing and levelling properties, giving soft and repulsive touch after processing.</td>
<td></td>
</tr>
<tr>
<td>4) DK-2002P gives bluish black color in processing of thin-textiles dyed with black dyestuff.</td>
<td></td>
</tr>
<tr>
<td>5) DK-2002P gives color deepening efficiency to all colors including black color.</td>
<td></td>
</tr>
<tr>
<td>6) DK-2002P improves productivity because color deepening processing method is convenient.</td>
<td></td>
</tr>
<tr>
<td>7) It is environmental-friendly product as APEO-free and NPEO-free.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>♦ APPLICATION FIBERS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Suitable for dyeing fibers or printing fibers of all kinds of fibers such as Polyester, Cotton, Nylon, Wool, Silk, Acryl, T/C, N/P, etc.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>♦ HOW TO USE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Recommended use levels are 30～50 g/ℓ according to kinds, density, thickness and type of fibers and an objective L value.</td>
<td></td>
</tr>
</tbody>
</table>

IL SHIN CHEMICAL CO.  
303-5, Janggi-Ri, Goryeong-Eup, Goryeong Gun, Gyeong-Buk, Korea  
Tel : +82-54-955-7611～3  Fax : +82-54-955-7614  
Homepage: Http://www.ischem.co.kr  E-mail : ischem@ischem.co.kr
DK-2002P

- Color Deepening Agent For Padding

**DK-2002P PROCESSING METHOD**

1) COTTON PROCESSING METHOD

![Diagram]

- **DK-2002P** (30–50 g/l)
- Application Equipment: Mangle or Jigger
- Water Temp.: 25~35°C
- Method: Padding or Dipping

2) POLYESTER PROCESSING METHOD

![Diagram]

- **DK-2002P** (50 g/l)
- **ANTICX-DK** (10 g/l)
- Application Equipment: Mangle or Jigger
- Water Temp.: 25~35°C
- Method: Padding or Dipping

**NOTICE**

1) In case antistatic processing is needed, use **ANTICX-DK** because **ANTICX-DK** is an antistatic agent for color deepening processing.

2) For the purpose of excellent color deepening process, Dipping is preferable to Padding. It imparts superior color deepening properties as revolving process several times by using Jigger than Dipping.
**DK-2002P**

*Color Deepening Agent For Padding*

**NOTICE**

1) To prepare **DK-2002P** solution, pour water into bath at room temp., add **DK-2002P**, and stir uniformly.

2) During the processing, never heat the recipe liquor.

3) After dyeing, wash thoroughly, because it is sensitive to the residual of dyeing agents, alkalies, etc.

   *(If the residual exist, Color Deepening Efficiency may be degraded.)*

4) If the equipment is seriously soiled, thoroughly wash the machine with a cleaner, **RCP-100**.

5) If a little floating matters is generated by the residual of dyeing auxiliaries and alkalies during processing, please proceed the process after eliminating it.

6) Please control the process not to crease textile.

7) More amounts of use can lead to higher color deepening shade.

8) Please never adjust the pH of **DK-2002P** recipe liquor.

9) The excessive use of **DK-2002P** may generate a phenomenon of slip according to the structure and density of fabrics.

10) It is effective to stir evenly just before use.

11) It is necessary to use **ANTICX-DK** as antistatic agent.

   Because general antistatic agents affect on color of color deepening.

**NOTICE IN**

**DK-2002P STORAGE**

1) Keep the product indoor(5~40℃) with avoiding sunlight and freezing.

   - In storage at high-temp. : Cause oil spots and bad appearance of products.
   - In freezing : Cause oil spots and bad appearance of products.

---

**IL SHIN CHEMICAL CO.**
303-5, Janggi-Ri, Goryeong-Eup, Goryeong Gun, Gyeong-Buk, Korea
Tel : +82-54-955-7611~3  Fax : +82-54-955-7614
Homepage: Http://www.ischem.co.kr  E-mail : ishem@ischem.co.kr
1. If inferior goods are occurred after color deepening processing, correct according to following process.

**1) CORRECTION METHOD OF COTTON**

<table>
<thead>
<tr>
<th>RCP-100 5 g/ℓ</th>
<th>NaOH 3 g/ℓ</th>
<th>DK-2002P</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong></td>
<td><strong>2</strong></td>
<td><strong>3</strong></td>
</tr>
<tr>
<td>Correction</td>
<td>Washing</td>
<td>Color Deepening Processing</td>
</tr>
</tbody>
</table>

- **Application equipment**: Jigger
- **Sol’n temp.**: 100 °C
- **Treatment time**: 60 min

- **Temp.**: Room temp.
- **Washing Time**: 2 times
- **Method**: overflow

Further Process is equal with Padding method

Equality with a previous processing

**2) CORRECTION METHOD OF POLYESTER**

<table>
<thead>
<tr>
<th>RCP-100 5 g/ℓ</th>
<th>NaOH 3 g/ℓ</th>
<th>DK-2002P</th>
<th>ANTICX-DK</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong></td>
<td><strong>2</strong></td>
<td><strong>3</strong></td>
<td></td>
</tr>
<tr>
<td>Correction</td>
<td>Washing</td>
<td>Color Deepening Processing</td>
<td></td>
</tr>
</tbody>
</table>

- **Application equipment**: Jigger
- **Sol’n temp.**: 100 °C
- **Treatment time**: 60 min

- **Temp.**: Room temp.
- **Washing Time**: 2 times
- **Method**: overflow

Further Process is equal with Padding method

Equality with a previous processing

**PACKAGE**

120 Kgs NET IN DRUMS.

---

**IL SHIN CHEMICAL CO.**

303-5, Janggi-Ri, Goryeong-Eup, Goryeong Gun, Gyeong-Buk, Korea

Tel : +82-54-955-7611 ~ 3 Fax : +82-54-955-7614

Homepage: Http://www.ischem.co.kr  E-mail : ischem@ischem.co.kr