General Description

EPOKUKDO YDF-175S is a liquid type Epoxy Resin derived from Bisphenol-F and ECH. Especially, it has low viscosity without diluents or modifiers. YDF-175S has excellent mechanical, adhesion, electrical, and chemical resistance properties after being cured with appropriate curing agents. Due to its special properties, YDF-175S is generally used in coatings, moldings, adhesive, construction and civil works, and composite applications for the low VOC or non-solvent system. YDF-170 is a standard Bisphenol-F type liquid resin and YDF-175S is specially designed for non-crystalline type in cold weather.

Resin Properties

<table>
<thead>
<tr>
<th>Item</th>
<th>YDF-175S</th>
<th>Test Method</th>
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<tbody>
<tr>
<td>EEW (g/eq)</td>
<td>160-180</td>
<td>KD-AS-001</td>
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<tr>
<td>Viscosity(cps at 25°C)</td>
<td>2,000-5,000</td>
<td>KD-AS-005</td>
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<tr>
<td>Color(G)</td>
<td>3.0 max</td>
<td>KD-AS-025</td>
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</tbody>
</table>

Usage of YDF-175S

EPOKUKDO YDF-175S can cure together with the various hardeners(Polyamide resin, Aromatic Polyamine, Aliphatic Polyamine and Anhydride compound). Depending on diluents and other additives, different physical properties after curing can be obtained. Generally, YDF-175S may be used in the combination with BPA based standard Epoxy Resin, such as YD-128 in different ratio. YDF-175S is widely used in many fields such as:

1. Paints:
   Ambient curing paint, Clear coating, Anti-corrosion coatings, Marine paint, and Industrial coatings.

2. Electrical and Electronic fields:
   Casting, Dipping, Encapsulation, Laminates and Insulation applications.

3. Civil Construction and Buildings:

4. Adhesive:
   Metal, Glass, Wood, and Stone adhesives.

5. Filament winding, Glass fiber, Carbon fiber, and Fabric reinforcement resin.

Packaging

20 kg Can or 200 Kg D/M (Net weight)
Bulk in Tank

For literature and technical assistance, visit our website at www.kukdo.com