**YDF-165** Bisphenol-F type Epoxy

---

**General Description**

EPOKUKDO Epoxy Resin, YDF-165 is a Bisphenol-F type liquid Epoxy Resin diluted with BGE, which is very low viscosity. YDF-165 has the excellent mechanical, adhesive, electrical, and chemical resistance properties after being cured with appropriate curing agents. Due to its special properties, YDF-165 is generally used in coatings, moldings, adhesives, construction and civil works, and composite applications for the low VOC or non-solvent system.

**Resin Properties**

<table>
<thead>
<tr>
<th>Item</th>
<th>YDF-165</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEW(g/eq)</td>
<td>160-180</td>
<td>KD-AS-001</td>
</tr>
<tr>
<td>Viscosity(cps at 25°C)</td>
<td>700-1,100</td>
<td>KD-AS-005</td>
</tr>
<tr>
<td>Color(G)</td>
<td>3.0 max.</td>
<td>KD-AS-025</td>
</tr>
</tbody>
</table>

**Usage of YDF-165**

EPOKUKDO Epoxy YDF-165 can be cured with the various hardeners(Polyamide resin, Aromatic Polyamine, Aliphatic Polyamine and Anhydride compound). Depending on diluents and other additives, different physical properties after curing could be obtained. YDF-165 can be used in many fields as followings:

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**:
   - Cementing concrete structure, Water proof, Anchor bolt adhesives, Sealants and Grouting materials.
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](http://www.kukdo.com)