**InChemRez Phenoxy PKHM-85**

**Polyester Modified Phenoxy Resin**

*InChemRez Phenoxy PKHM-85* is a 100% NV liquid-grade Phenoxy resin alloy with an oligomeric polyester type polyol containing primary hydroxyl groups.

Phenoxy resins (polyhydroxyethers) are tough, ductile, amorphous polymers having excellent thermal stability, adhesive and cohesive strength, and excellent vapor barrier properties. Phenoxy resins also react with crosslinkers like isocyanates, phenolic & melamine resins along the backbone hydroxyl groups. **PKHM-85** provides for improved reactivity due to the presence of primary hydroxyls and the lower glass transition temperature of the alloy.

**PKHM-85** can be combined with appropriate isocyanate crosslinkers to form flexible coatings and elastomers having low or no VOC’s. **PKHM-85** is an effective flexibilizer in baked systems as well, where melamine and phenolic crosslinkers can be used. **PKHM-85** can be used as a flexibilizing modifier for other resins such as epoxies, polyesters, and polyols.

**APPLICATIONS**

- Two-Component PUR Coatings
- Adhesives & Sealants
- PUR Cast Elastomers
- Epoxy Prepreg

**TYPICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Percent Solids</td>
<td>99+%</td>
</tr>
<tr>
<td>Viscosity</td>
<td>30,000 - 50,000 cP</td>
</tr>
<tr>
<td></td>
<td>Brookfield @ 25°C</td>
</tr>
<tr>
<td>OH #(primary)</td>
<td>180</td>
</tr>
<tr>
<td>OH #(total)</td>
<td>210</td>
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</tbody>
</table>

**InChemRez Phenoxy PKHM-85**

**Safety and Handling**

*InChemRez Phenoxy PKHM-85* is sold in 55-gallon steel drums at 485 pounds (220 kg) net weight. The resin is indefinitely stable under normal conditions of storage. For handling purposes **PKHM-85** may be warmed to 60ºC to improve pumpability and pouring.

Avoid contact with skin, eyes, and the breathing of any fumes associated with heated quantities of **PKHM-85**. Wear OSHA standard respirators, gloves, and other appropriate PPE when handling large quantities of **PKHM-85**. Consult the product MSDS for additional information on properties, hazards, and handling.

**PKHM-85** is not approved under regulations of the United States Food and Drug Administration for use in food contact and packaging applications.

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