**Neoflon® FEP-ND-110**

**Characteristics**

*Neoflon® FEP* is a copolymer of tetrafluoroethylene and hexafluoropropylene. This shows the same excellent properties of PTFE, such as chemical resistance, non-stick property, low friction and outstanding electric property. It has lower melt viscosity than PTFE.

*Neoflon® FEP Dispersion ND110* is an aqueous dispersion manufactured without the use of PFOA.

**Properties**

<table>
<thead>
<tr>
<th>Properties</th>
<th>Unit</th>
<th>Neoflon® FEP ND-110</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>--</td>
<td>Translucent white liquid</td>
</tr>
<tr>
<td>Viscosity at 25°C (77°F)</td>
<td>cP</td>
<td>17.2</td>
</tr>
<tr>
<td>Specific gravity at 25°C (77°F)</td>
<td>--</td>
<td>1.42</td>
</tr>
<tr>
<td>pH at 25°C (77°F)</td>
<td>--</td>
<td>8.5</td>
</tr>
<tr>
<td>Solid content (based on polymer)</td>
<td>Mass%</td>
<td>54.1</td>
</tr>
<tr>
<td>Surfactant content</td>
<td>Mass%</td>
<td>7.6</td>
</tr>
</tbody>
</table>

* Typical properties are not suitable for specification purposes.

**Processing**

ND-110 is normally used for impregnation. Glass fiber matting and sintered metal alloys with porous layers are examples of the substrates that can be used.

In general, the substrate is impregnated by being dipped straight into ND-110 or into ND-110 which has been diluted with distilled water. In cases where impregnation is difficult, depressurization or pressurization can also be used to assist the impregnation process. After impregnation is complete, the article should be removed from the dipping tank and dried by air or other means and then sintered as necessary.

Application example
Dipping glass fiber matting
Manufacturing of cast films
Safety Precaution

Wear protective gloves/protection clothing/eye protection/face protection.

First Aid

If in eyes: Rinse cautiously with water for several minutes. Immediately call a doctor.

Storage

Keep at 5 - 30°C (41 - 86°F).

Store in a dry place.

Precaution for Use

When the product is over-heated, it will generate decomposition gas. Adequate ventilation system is required to prevent inhalation of this gas.

The product is for industrial use only. We do not guarantee the safety in case the product is used for other purposes. When using the product for health-care application or food/feed application, consult us in advance.

Redisperse at least once a month and before use to prevent solid content from settling.

Note: Please make sure to read Safety Data Sheet (SDS) before using this product.