ZetaFill-F3 HV-N
Active Filler

Product Description
ZetaFill™-F3/HV-N is a high-viscosity dispensable dryer, designed for use in OLED and organic electronics applications. Due to its viscosity it can be applied by blading or syringe.
ZetaFill-F3/HV-N films work as irreversible moisture getter up to 180 °C.

ZetaFill-F3/HV-N Moisture Sorption
Calculation example
Sorption capacity in air: 1.4% of dry weight
1cm x 1cm x 50 μm= 0.005 cm³ x 1.9 g/cc= 0.0095 g= 9.5 mg
Moisture capacity = 9.5 mg x 1.4% = 0.33 mg

(•) at a shear rate of 5 s⁻¹
(**) tests are ongoing. Expected shelf-life is >6 months

<table>
<thead>
<tr>
<th>Material Property</th>
<th>Typical value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Whitsy-yellow liquid</td>
</tr>
<tr>
<td>Viscosity at 25 °C (cP) (*)</td>
<td>16,000</td>
</tr>
<tr>
<td>Density (g/cm³)</td>
<td>1.9</td>
</tr>
<tr>
<td>Moisture capacity (wt %)</td>
<td>1.4</td>
</tr>
<tr>
<td>Maximum particle size (μm)</td>
<td>&lt;1</td>
</tr>
<tr>
<td>Storage temperature (°C)</td>
<td>2-5</td>
</tr>
<tr>
<td>Shelf life (months)</td>
<td>&gt;1</td>
</tr>
<tr>
<td>Storage atmosphere</td>
<td>Dry if bag is opened</td>
</tr>
<tr>
<td>Pot life (@RT, months)</td>
<td>&gt;1</td>
</tr>
</tbody>
</table>

Processing
Bring ZetaFill-F3/HV-N to room temperature before use.
A filtration process is not recommended in order to avoid particle aggregation.
Process temperature higher than 100 °C has to be avoided.

Deposition
Deposition has to be carried out under nitrogen or dry air atmosphere.
Apply via blading or dispense by syringe on the desired surface.

Compatible surfaces are
- Glass
- Stainless Steel and other metals
- Plastics
Curing
ZetaFill-F3/HV-N is a not curable formulation.

Shipping and Storage
Tests are ongoing to evaluate ZetaFill-F3/HV-N shelf life: expected shelf-life is >6 months (keeping the barrier bag sealed). ZetaFill-F3/HV-N must be stored between 2 and 5 °C and placed at RT for 2 hours before using.
Pot life at RT is > 1 months.

Ordering Information
Code: SX0967 Description: ZETAFILL-F3/HV-N/8500 (Bottle - 500cc)