

# ORMECON<sup>®</sup> D Series Organo Nanometal<sup>®</sup> Dispersions

## ORMECON<sup>®</sup> D Series: **Description**

### **Polyaniline Dispersions for Polymer Electronics: OLEDs, FETs**

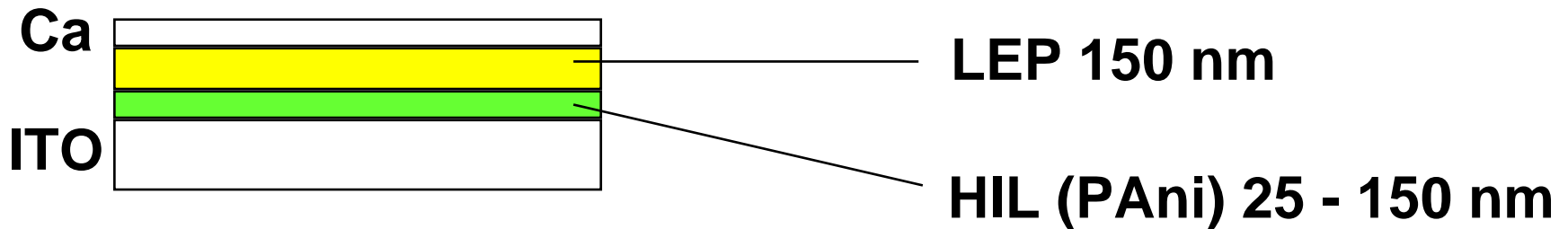
**We offer Organic Nanometal<sup>®</sup> Dispersions in water, xylene, toluene, isopropyl alcohol, ethanol and for use in basic and applied research for polymer electronics. These series of dispersions cover a wide range of conductivity between  $10^2$  and  $10^{-7}$  S/cm. Usually these dispersions are applied by spin coating.**

# ORMECON® D Series: **Description**

## **Polyaniline Dispersions for Thin Film Electronics:**

**For applications like FETs, super capacitors and ITO replacement applications we offer our highly conductive dispersions in water, xylene, toluene, and isopropyl alcohol**

# The Organic Metal as Hole Injection Layer (HIL) for OLEDs



Why use Organic Nanometals® for OLEDs?

The Organic Nanometals purpose:

- Smooth the rough ITO surface
- Improve the hole injection
- Adapt the work function of the anode side to the light emitter
- New HIL layers provide an extraordinary life time stability and light intensity, especially for red, green and blue emitters



## ORMECON<sup>®</sup> D Series

Highly Conductive Applications

<b>ORMECON D 1020</b>	<b>200 S/cm (solvent cont.)</b>
<b>ORMECON D 1024</b>	<b>150 S/cm (solvent cont.)</b>
<b>ORMECON D 1025</b>	<b>500 S/cm (solvent cont.)</b>
<b>ORMECON D 1032W</b>	<b>150 S/cm (water borne)</b>
<b>ORMECON D 1033W</b>	<b>200 S/cm (water borne)</b>
<b>ORMECON D 1036</b>	<b>50 S/cm (alcohol-based)</b>
<b>ORMECON D 1037</b>	<b>100 S/cm (alcohol-based)</b>

Another series of dispersions is available allowing the preparation of samples with around 1 to 100 S/cm, based on ethanol, NMP, isopropyl alcohol, xylene, toluene. Dispersions based on further solvents are available upon request. Also a dispersion of the neutral (non-conductive) blue form (*emeraldine base*) is available.

With a special new process, a conductivity of 500 and 1,000 – 2,000 S/cm can be reached. Research samples are available on request.