


Date: 7.07.2017	<p style="text-align: center;"><b>Declaration of Conformity</b>  . 2011/65 EU RoHS2 – (EU) 2015/863 (RoHS)  <b>ElektroG</b> (dated 08.06.2011)</p> <p><b>PAH</b> (Polycyclical aromatic hydrocarbons) EC 1272/2013 amendment XVII to Regulation EC No. 1907/2006 (REACH)  <b>PFOS</b> (Perfluorooctane sulfonate) 2006/122/EC (dated 12.12.06)  <b>DMF</b> (biocide dimethyl fumarate) dated 01.05.2009  <b>REACH</b> "Registration, Evaluation and Authorisation of Chemicals"</p>	 A Phoenix Mecano Company
Revision: 032		

## **ElektroG (RoHS) incl. 2011/65 EU RoHS2 ( EU ) 2015/863**

Either the following substances are not used as input materials or additives, or the maximum permissible concentrations are complied with.

- Lead (0.1 %)
- Mercury (0.1%)
- Cadmium (0.01%)
- Chromium VI (0.1 %)
- Polybrominated biphenyls PBB (0.1 %)
- Polybrominated diphenyl ethers PBDE (incl decaBDE, octaBDE, pentaBDE) (0.1 %)
- Di-2-ethylhexyl phthalates /DEHP (0.1 %)
- Butyl benzyl phthalates / BBP (0.1 %)
- Dibutyl phthalates / DBP (0.1 %)
- Diisobutyl phthalates / DIBP (0.1%)

### **1. BOPLA enclosure materials**

All materials and accessories used for BOPLA enclosures already satisfy the requirements of the ElektroG.

Special designs with EMC copper conductive lacquer, aluminium or CrNi vacuum coating do not contain prohibited materials.

### **2. Membrane keypads / System solutions**


All BOPLA front membranes, membrane keypads using conductive silver technology and copper-clad front membranes without connectors, soldered LEDs, electronic components and displays conform to the ElektroG as of manufacturing date **January 1, 2005**. Membrane keypads using conductive silver technology and LEDs also satisfy the requirements of the ElektroG.

As of **October 1, 2005**, all soldering processes involving the fitting of membrane keypads with LEDs, electronic components and displays on PCBs and polyester base membranes can be carried out lead-free in conformity with the ElektroG.

The pre-condition for manufacture in conformity with the ElektroG is that the electronic components specified by the customer conform to the ElektroG for lead-free fitting.

In the case of new and repeat orders involving existing constructions / designs, it is the customer's responsibility to establish whether lead-free fitting with electronic components which conform to ElektroG is required and whether these components are available.

In the case of a conversion requested by the customer (alteration, re-design), release samples for release testing are required following agreement.

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### 3. 19" Enclosure extension systems

All enclosure materials for 19" extension systems made of

- extruded aluminium profiles, raw and anodised, for side walls, flanges, front and rear profiles, bus profiles etc.
- aluminium panel materials, raw and anodised, for side walls, front panels etc.  
do not contain prohibited materials.

Yellow chromated surface treatments using the prohibited material chrome VI have been replaced by passivations conforming to the RoHS regulations.

#### PAH (polycyclical aromatic hydrocarbons)

PAH in accordance with Regulation EC 1272/2013 dated December 6, 2013 regarding the amendment to Annex XVII to Regulation (EC) No. 1907/2006 (REACH)

These compounds are **not** contained in the raw materials which we use to manufacture our products.

#### DMF (biocide dimethyl fumarate)

In March 2009 the European Commission has prohibited to market products which contain the biocide dimethyl fumarate (DMF) – this regulation started on May 1st, 2009. The concentration of the biocide dimethyl fumarate may now not be higher than 0.1 mg per kg of the product's weight or of parts of the product. These compounds are **not** inside the materials we use.

#### PFOS (Perfluorooctane sulfonate)

The raw materials, semi-finished or finished products which we use contain either no PFOS or do not contain it in amounts which are not permitted above the limits specified in EU directive 2006/122/EG.

#### REACH


As a "downstream user", we will ensure compliance with all the requirements which affect us in respect both of the REACH regulation and the resulting security with regard to delivery.

The REACH regulation does not apply to any of the products which we supply, and consequently there is no obligation for them to be registered. BOPLA is not compelled to make independent registrations or any activities concerning REACH. The consignees of REACH are the producers and retailers of the polymers primarily.

One important goal of REACH is the safe use of substances and products as well as the passing on of relevant information within the supply chain.

According to current knowledge, our polymers conform to REACH standards and are also listed under REACH. In our own interests, and to ensure product safety, we track the implementation of REACH.

Following the pre-registration phase of the pre-suppliers, we will commence an exchange of information in respect of the users and applications by our customers.

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If required, we will contact you in respect of this.

## **REACH**

**Info Absence of SVHC materials according to the list of candidates, article 59.No.1907/2006 REACH For our plastic-, aluminium-, polyester-standard enclosures and our cable clands.**

In the utilized polymers there are no substances contained with a concentration of more than 0.1 mass percent according to the list from July 7, 2017.

Although the above-mentioned materials must not be used or added, it is not possible to exclude the possibility that negligible traces caused, for example, by impurities in components used, may be present.

Because of the fact that none of the mentioned materials are included under normal circumstances, their absences have not been controlled analytically.

This declaration of conformity applies only to BOPLA standard catalogue articles.

**Separate agreement with us in respect of all customer-specific special designs is absolutely necessary!**

Special designs does not mean BOPLA standard articles which have been processed, assembled or completed with BOPLA-components. This declaration of conformity applies to all these articles in its entirety.

All of the data, recommendations and information from BOPLA or issued in the name of BOPLA concerning the individual products and materials is based on investigations and information of the relevant manufacturer of the material.

The guideline values for the properties represent non-binding average values that had been determined for the injection-moulded test pieces.

Even when BOPLA regards these as reliable, BOPLA shall accept no liability whatsoever for the accuracy and completeness of the data, recommendations and information.

The passing on of this data, recommendations and information is done without any intention to be legally binding and does not form the basis of a separate contract.

The interested party is required instead to verify for himself the quality and overall properties of our products and their suitability for the intended purpose and shall carry out all the required investigations to this end at his own responsibility if BOPLA has not explicitly guaranteed in writing certain properties or applications of the product.

The same applies accordingly for the other technical information and advice that we give out in word and writing concerning applications.

This declaration was drawn up and published on the basis of the laws and regulations which currently apply and also in accordance with the best of our present knowledge.

This document was prepared electronically and for this reason is valid even if not signed. Copies which are printed out are not subject to updating. The latest version can be found on our website at [www.BOPLA.de](http://www.BOPLA.de).