

**S7 SURVEY
REPORT**

Group 7

Casting or trickle feed
impregnating resins



This survey report gives a comprehensive overview of product group 7. For further information please refer to the technical reports (TR), in which the mentioned products are described in detail.

For more extensive advice, our application technology department (ATD) is at your disposal at any time.

The first column of this survey corresponds to the order in which our technical reports (TR) are filed in the report manual and/or supplements and new technical reports are to be added. Thus this survey also serves as a table of contents of product group 7.

The products mentioned in this survey do not contain substances listed in the RoHS directive 2002/95/EC, the EU End-of-Life Vehicle directive 2000/53/EC ("lead-free regulation") and the WEEE directive 2002/96/EC. Detailed information on these directives that restrict or prohibit the use of certain hazardous substances can be accessed in the "Service" section on our website www.peters.de – "Directives/restrictions of substances".

1. Wepox casting resins on epoxy resin basis (EP)

1.1 General characteristics

- cold and thermo curing 2-pack casting resins for potting or trickle feed application
- time saving compared to the use of impregnating varnishes because precise application means no need for cleaning
- solvent-free, thus no attack of solvent-sensitive plastics, no unpleasant odour caused by solvents
- excellent resistance to water, moisture (even at higher temperatures such as in tropical climates), oils, grease and numerous chemicals
- outstanding adhesion
- very good dielectric properties
- high mechanical strength and resistance
- thermal class B = 130 °C [266 °F] based on DIN IEC 60085
- comparatively low volume shrinkage for epoxy resin systems.

1.2 Product-specific characteristics

Product (series)	Special properties
Wepox casting resins of the series GT 7012 , yellowish transparent GT 7012 GT 7012 S	<ul style="list-style-type: none"> • especially suitable for the impregnation of high-speed mini rotors and stators that are subject to high thermal and mechanical stress • of low viscosity, thus good permeation of coils and filling of cavities • very high baking resistance • The Wepox casting resin GT 7012 S is the fast drying adjustment (Index S) of the Wepox casting resin GT 7012. Depending on the quantity of resin applied, the pot life and curing time are around half to a third of those of GT 7012.

Any questions?

We would be pleased to offer you advice and assistance in solving your problems. Free samples and technical literature are available upon request.

The above information as well as advice given by our Application Technology Department whether in verbal or written form or during product evaluations is provided to the best of our knowledge, but must be regarded as non-binding recommendations, also with respect to possible third-party proprietary rights.

The products are exclusively intended for the applications indicated in the corresponding technical data sheets.

The advisory service does not exempt you from performing your own assessments, in particular of our material safety data sheets and technical information sheets, and of our products as regards their suitability for the applications intended. The application, use and processing of our products and of the products manufactured by you based on the advice given by our Application Technology Department are beyond our control and thus entirely your responsibility. The sale of our products is effected in accordance with our current terms of sale and delivery.

Lackwerke Peters GmbH + Co KG
Hooghe Weg 13, 47906 Kempen

Internet: www.peters.de
E-Mail: peters@peters.de

Phone: 0049-21 52-20 09-0
Fax: 0049-21 52-20 09-70