



Technical Datasheet

DruckWege Resin Type D

UV-sensitive epoxy resin for DLP
and UV/LCD 3D printers

Description

The present technical data sheet describes the UV-sensitive epoxy resin DruckWege Resin Type D **Standard** of the company DruckWege (Reil & Gillert GbR). The resin is used for the experimental technology of additive manufacturing or 3D printing and applied in DLP 3D printers. This datasheet describes the technical properties and application of the resin. Safety aspects are described in the safety data sheet.

The epoxy resin is filled in a funnel bottle with a sticker indicating the content of the bottle and expiration date.

Preparation and Application

Before using the epoxy resin, shake the bottle well to maintain a good blending before the application. During storage, color pigments may deposit on the ground of the bottle.

With the use of protection gloves, safety glasses and respirator, open the funnel bottle and pour the epoxy resin in a designated vat of your 3D printer.

Expiration Date and Storage

Use the resin before the expiration date as indicated on the sticker of the funnel bottle. The funnel bottle shall be stored in a dry and well ventilated room. Avoid entering of moisture into the funnel bottle.

The resin shall not be contaminated with light, so early curing can be avoided.

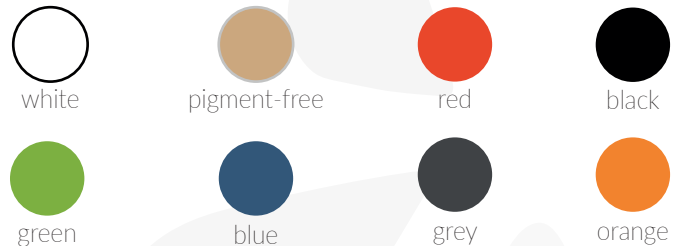
Handling and Precautions

This document does not describe the safety aspects of the product.

Before handling and usage, please carefully read the safety data sheet of this product, as well as the sticker on the funnel bottle to ensure safe handling and avoidance of physical and health-related hazards.

For further information, please visit:
www.druckwege.com

Colors



There is no harmonized color code for the introduced options. Examples of the printed colors are given on druckwege.com.

Limitation

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Stress-Strain-Characteristics

The following values are based on material properties without any post-curing:

Tensile Strength: 35,7 MPa

E-Modulus: 1560 MPa

Elongation at Breakage: 3 %

The values were estimated following DIN EN ISO 527-1.

Further Characteristics

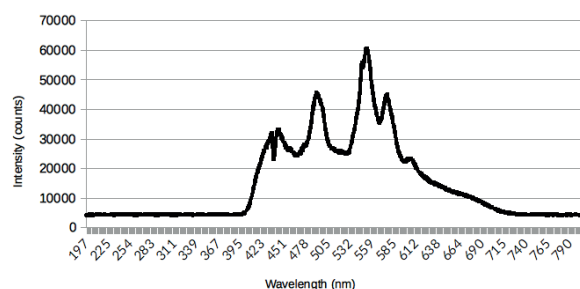
Viscosity: 33 - 57 mPa/s following DIN EN ISO 2431

Shrinkage: 2% +/- 1% following ISO 2577

Hardness D: 82,2 Shore following ISO 7619-1

For a defined post-curing, we recommend a maximum of 5 minutes.

Used DLP Light Source (Spectrum)



Contacts

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