

wevo

ADVANCED EPOXY SOLUTIONS

WEVOPOX FOR ELECTRICAL AND ELECTRONIC APPLICATIONS





POX

Our WEVOPOX products offer great versatility in terms of formulation options and the product properties that can be achieved with them.

**THERMAL CONDUCTIVITY**

Thermally conductive solutions ensure better temperature control and fewer hotspots.

Thermal conductivity up to 2 W/m·K · Higher power densities · Cooling of components · Good flow behaviour despite high thermal conductivity

**HIGH RESISTANCE**

For applications that demand high levels of resistance in different areas.

Resistance to a wide range of chemicals · Temperature resistance up to 180 °C · Mechanical strength across a wide range of applications · Low susceptibility to cracking

**FLAMMABILITY**

Our products with flame-retardant properties are certified according to various test standards.

EN 45545-2 HL3 in R22/R23 · Glow Wire Flammability Index (GWFI) · UL 94 V, HB and 5V · Hot Wire Ignition (HWI) · High-current Arc Ignition (HAI)

**ELECTRICAL PROPERTIES**

High dielectric strength and good dielectric properties enable their use in a very wide range of electrical applications.

Low dielectric constants for improved transmission of electromagnetic signals · Comparative Tracking Index (CTI 600) · Relative Temperature Index (RTI Elec) · High dielectric strength > 30 kV/mm



EXTRACT FROM EPOXY PRODUCTS

WEVOPOX	A 50	VE	30010	2003 FL	36001 FL	34020	389	32702	32703	8260 FL/60	2511 FL	2513	34003	34021	
WEVODUR	BX	263	5007	5004	5001	5001	958	5008	5009	1018/25	1005, 1003/07	1003/07	1018	1003/07	
Mixing ratio (parts by weight)	100:50	100:45	100:33	100:20	100:10	100:10	100:30	100:10	100:12	100:29	100:16	100:13	100:25	100:25	
Mixed viscosity at 22°C [mPa·s]	Rotational viscometer	12,000–18,000	500–700	1,000–2,000	2,700–3,200	3,500–6,500	8,000–15,000	15,000–20,000	2,000–3,500	5,000–8,000	3,000–5,000	2,000–3,000	3,000–6,000	4,000–8,000	2,500–4,500
Reactivity at 22°C [min.] [*]	Rotational visco-meter/rheometer	60–100	40	50	120	180–240	120	25–35	60–80	30 (120°C)	30 (120°C)	30/90 (100°C)	30 (120°C)	30 (120°C)	20 (120°C)
Density of resin at 22°C [g/cm ³]	DIN EN ISO 2811-1:2016-08	1.14–1.19	1.15–1.18	1.13–1.18	1.60–1.64	1.74–1.80	1.78–1.86	1.43–1.47	1.78–1.85	1.65–1.70	1.68–1.78	1.85–1.89	2.35–2.40	1.85–1.93	1.78–1.86
Density of hardener at 22°C [g/cm ³]	DIN EN ISO 2811-1:2016-08	0.95–0.99	0.99–1.02	0.94–0.98	0.93–0.97	0.97–1.01	0.97–1.01	1.80–1.84	0.95–0.99	1.00–1.04	1.14–1.24	1.18–1.22	1.14–1.24	1.18–1.22	1.14–1.24
Shore hardness D	DIN ISO 7619-1:2012-02	80–85	80–85	82–88	45–49	85–90	85–95	80–85	82–90	80–90	88–94	84–88	90–95	85–90	88–95
Operating temperature [°C]		-25 up to +120	-30 up to +130	-30 up to +130	-40 up to +130	-40 up to +180	-40 up to +180	-40 up to +140	-40 up to +130	-40 up to +155	-40 up to +160	-40 up to +155	-40 up to +180	-40 up to +155	-40 up to +180
E modulus [N/mm ²]	DIN EN ISO 527-2:2012-06	2,300	3,200	2,600	35	6,000	6,100	6,500	6,200	5,000	8,600	9,700	11,000	6,000	14,300
Thermal conductivity [W/m·K] (pressureless)	DIN EN ISO 22007-2:2015-12	0.2	0.2	0.2	0.7	1.1	0.8	0.7	0.3	0.6	0.9	1.0	1.4	0.7	0.7
Glass transition temperature (Tg) [°C]	TMA ISO 11359-2:1999-10	94	49	98	2	51	48	75	76	117	90	47	52	147	64
Coefficient of expansion [ppm/K]	TMA ISO 11359-2:1999-10	81 < Tg 173 > Tg	78 < Tg 163 > Tg	48 < Tg 159 > Tg	61 < Tg 161 > Tg	40 < Tg 110 > Tg	46 < Tg 150 > Tg	58 < Tg 215 > Tg	56 < Tg 155 > Tg	53 < Tg 157 > Tg	40 < Tg 146 > Tg	48 < Tg 130 > Tg	29 < Tg 91 > Tg	43 < Tg 125 > Tg	42 < Tg 138 > Tg
Water absorption [%]	30 days, 22°C	0.8	0.8	0.6	1.5	0.2	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.2
Flammability	UL 94	HB	HB	HB	V-0 6 mm ^{**}	V-0 2 mm ^{**}	HB	HB	HB	HB	V-0 6 mm ^{**}	V-0 6 mm	HB	HB	
Dielectric strength [kV/mm]	DIN EN 60243-1:2014-01	–	25	–	–	–	30	–	–	–	33	–	20	–	36
Volume resistivity [Ω·cm]	DIN EN 62631-3-1:2017-01	10 ¹⁶	10 ¹⁵	10 ¹⁵	10 ¹²	10 ¹⁵	10 ¹⁴	10 ¹⁵	10 ¹⁵	10 ¹⁵	10 ¹⁵	10 ¹⁵	10 ¹⁵	10 ¹⁴	10 ¹⁵
Dielectric constant ε (at 50 Hz, 23°C)	DIN EN IEC 62631-2-1:2018-12	3.1	4.1	3.7	7.8	4.3	4.2	4.2	4.7	5.1	3.8	4.8	4.8	3.6	3.4
Loss factor tan δ (at 50 Hz, 23°C)	DIN EN IEC 62631-2-1:2018-12	0.013	0.020	0.012	0.180	0.006	0.024	0.005	0.011	0.022	0.014	0.030	0.016	0.003	0.010

All application parameters refer to processing at room temperature. All mechanical, thermal and electrical properties are based on complete curing.

* The indicated range of pot life corresponds with current standard versions. Adjustment of pot life is possible.

** UL listing under file No. E108835

For a more detailed technical description of our systems please refer to the corresponding data sheets which are available for all products.

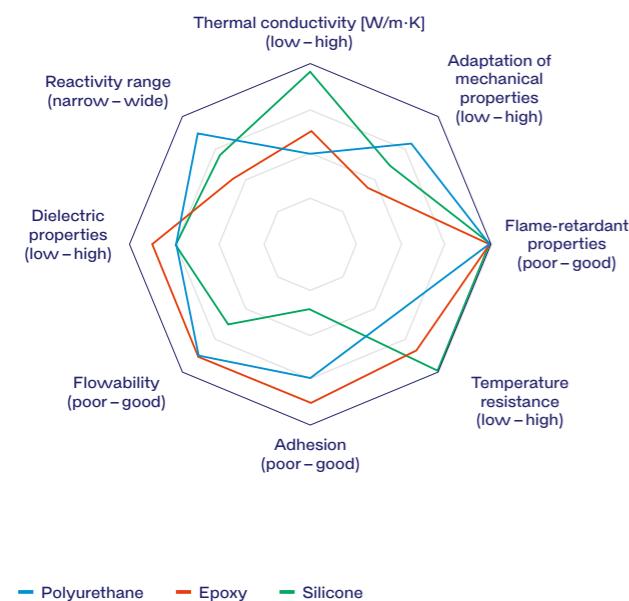
Please see our special notes on the back of this brochure.

WEVO – TRADITION OF INNOVATION

We are a leading specialist for advanced potting compounds, adhesives and sealants based on polyurethane, epoxy and silicone. More than 80 years of experience in development and applications go into each and every one of our products. The outcome: optimum solutions for reliable and safe components.

OUR MATERIALS AT A GLANCE

We work with customers of all sizes, from all sectors and industries. Thanks to our broad portfolio, we can find the right solution for every application.



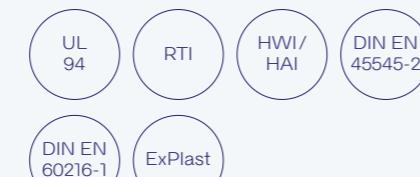
CERTIFICATIONS AND PRODUCT APPROVALS

Our uncompromising product quality is a direct result of adhering to strict guidelines and standards for chemical materials and their safe use.

Company certifications



Material certifications



EU guidelines/regulations



AS INDIVIDUAL AS YOU ARE

If no standard epoxy from our portfolio fits your application, we can, on request, develop a tailor-made system together with you. From the design phase, through validation, right up to series production – we offer customer support every step along the way.



TECHNICAL ADVICE

Joint definition of the product requirements.

01



PRODUCT DEVELOPMENT

Development of tailor-made solutions.

02



SAMPLE POTTING

Testing and application support, on request in the Wevo technical centre.

03



PRODUCTION

Accurate processing, process monitoring and quality control.

04



LOGISTICS

Flexible logistics and customised packaging.

05



WEVO-CHEMIE GmbH · Schönbergstr. 14 · 73760 Ostfildern-Kemnat · Germany
Phone +49 711 167 61-0 · Fax +49 711 167 61-544 · info@wevo-chemie.com · wevo-chemie.com

The manner in which you use and the purpose to which you put and utilise our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety and environmental standpoint. Such testing has not necessarily been done by us. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information, in particular all technical data and assistance, is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance and information. Any statement or recommendation not contained herein is unauthorised and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No licence is implied or in fact granted under the claims of any patent. Copyright 2026 WEVO-CHEMIE GmbH. All rights reserved. Unless otherwise indicated by name, all texts, images and graphics are subject to copyright and other laws for the protection of intellectual property. They may not be copied, changed or used in any other way.