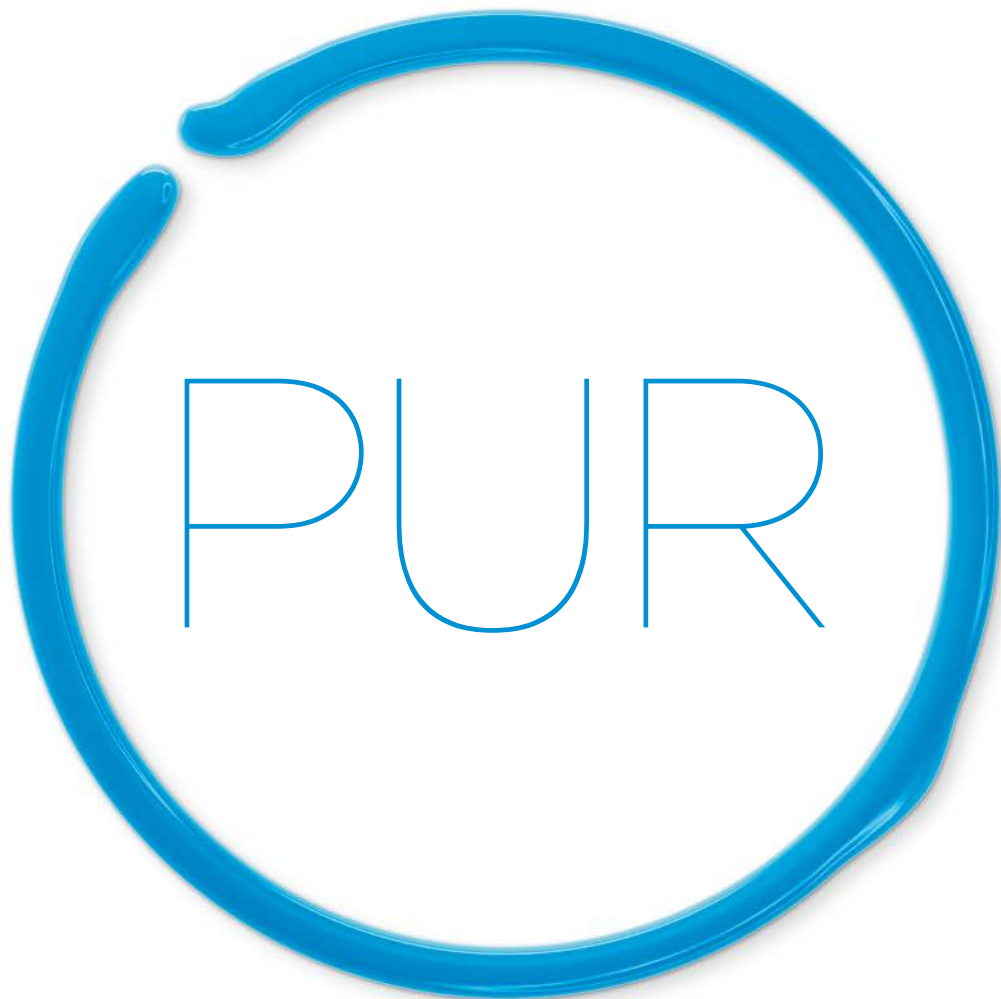




ADVANCED POLYURETHANE SOLUTIONS

WEVOPUR FOR ELECTRICAL AND ELECTRONIC APPLICATIONS



PUR

Our WEVOPUR 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 · Use as a gap filler



TRANSPARENCY

For applications that require transparency, we have transparent systems that protect sensitive components such as LEDs and sensors.

UV-stable · Low refractive index · Very good translucency across a wide wavelength spectrum · Weather-resistant



FLAMMABILITY

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

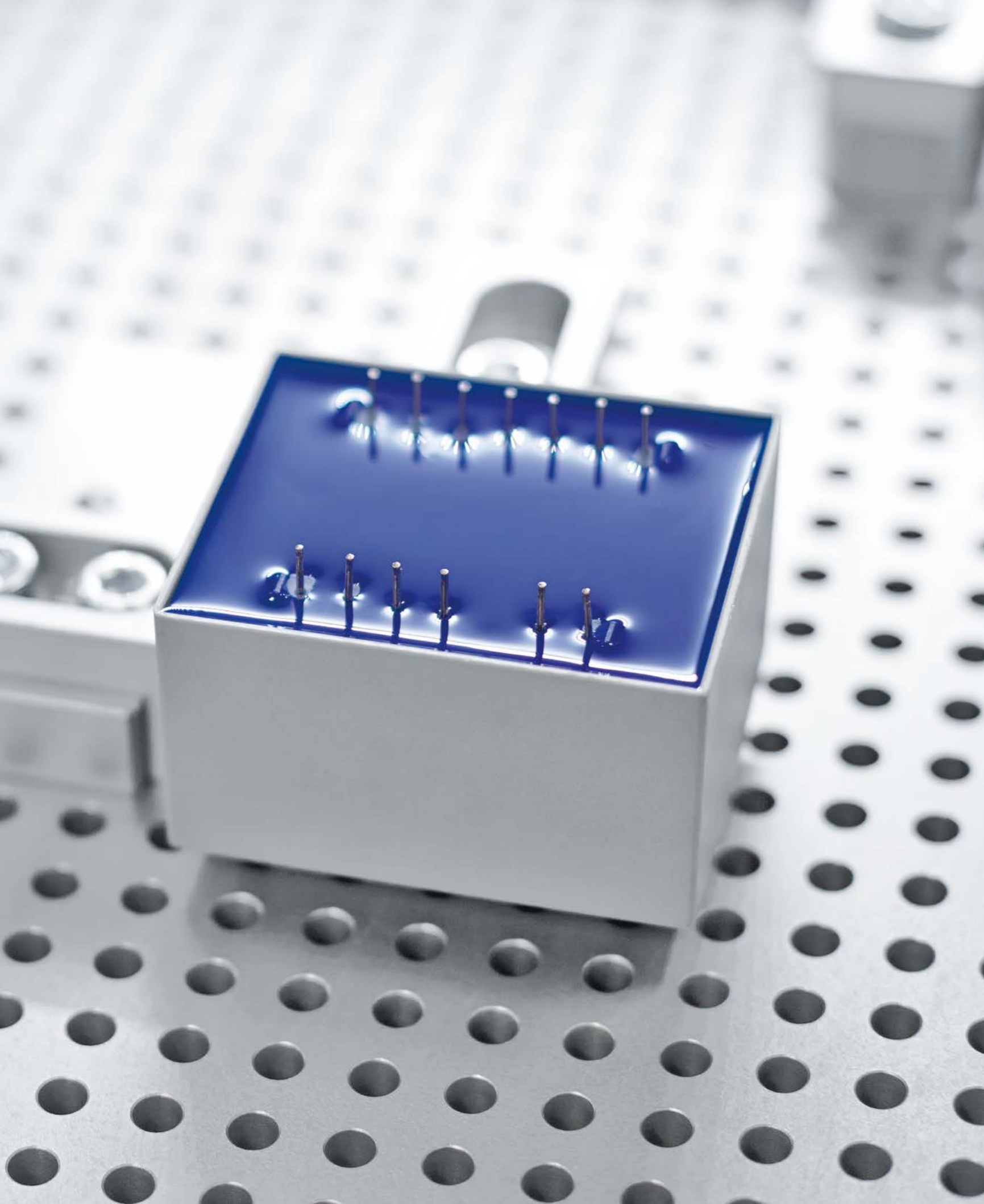
EN 45545-2 HL3 in R22/R23 · Glow Wire Flammability Index (GWFI) · UL 94 V, HB and 5V · Hot Wire Ignition (HWI) · High-current Arc Ignition (HAI)



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



PUR EXTRACT FROM POLYURETHANE PRODUCTS

WEVOPUR		PD 4	PD 445	PD 52	139	3050	390	403	403 FL/33	512 FLE	552 FL	500 MT/40	923 M	58093	7210 FL	9251 FL	801 G	895
WEVONAT		385	385	385	300	300 M	300	300	300 RE	900 E	300	300	300 M	600	507	300 RE	801	600
Mixing ratio (parts by weight)		100:34	100:20	100:26	100:10	100:50	100:30	100:14	100:14	100:16	100:20	100:30	100:18	100:33	100:43	100:15	100:33	100:25
Mixed viscosity at 22°C [mPa·s]	Rotational viscometer	1,200–1,600	1,800–2,200	1,200–2,000	800–1,200	1,100–1,300	800–900	2,500–3,500	1,000–1,800	900–1,400	1,000–1,300	6,000–8,000	1,700–2,300	1,600–2,200	400–600	1,300–1,800	2,000–4,000	15,000–25,000
Reactivity at 22°C [min.]*	Rotational viscometer	10–40	3–40	5–40	5–35	10–30	10–50	5–50	30–40	10–50	5–50	35–45	10–50	10–50	5–35	10–50	3–60	3–30
Density of resin at 22°C [g/cm³]	DIN EN ISO 2811-1:2016-08	0.91–0.93	0.93–0.95	1.06–1.09	1.03–1.05	0.99–1.02	1.28–1.31	1.75–1.79	1.62–1.68	1.56–1.62	1.56–1.60	1.28–1.31	1.25–1.27	1.37–1.42	1.53–1.57	1.53–1.56	1.47–1.53	1.40–1.47
Density of hardener at 22°C [g/cm³]	DIN EN ISO 2811-1:2016-08	1.20–1.24	1.20–1.24	1.20–1.24	1.20–1.24	1.20–1.24	1.20–1.24	1.20–1.24	1.20–1.24	1.20–1.24	1.20–1.24	1.20–1.24	1.20–1.24	1.20–1.24	1.20–1.24	1.20–1.24	1.20–1.24	1.20–1.24
Shore hardness A/D	DIN ISO 7619-1:2012-02	60–75 / --	20–30 / --	70–80 / --	40–50 / --	-- / 50–60	-- / 35–45	-- / 65–75	-- / 40–50	80–85 / --	-- / 60–70	-- / 50–60	70–75 / --	-- / 60–70	-- / 80–90	-- / 30–40	-- / 80–88	-- / 45–55
Operating temperature [°C]		-60 up to +120	-60 up to +120	-60 up to +125	-40 up to +125	-40 up to +125	-40 up to +130	-50 up to +165	-50 up to +165	-40 up to +130	-40 up to +130	-40 up to +120	-40 up to +120	-40 up to +140	-40 up to +145	-40 up to +135	-40 up to +140	-30 up to +130
E modulus [N/mm²]	DIN EN ISO 527-2:2012-06	15	2	15	--	--	15	116	110	19	55	60	10	350	5,500	20	2,900	70
Thermal conductivity [W/m·K] (pressureless)	DIN EN ISO 22007-2:2015-12	0.2	0.2	0.3	0.2	0.2	0.4	0.6	0.73	0.8	0.6	0.4	0.4	0.4	0.6	0.6	0.6	0.5
Glass transition temperature (Tg) [°C]	TMA ISO 11359-2:1999-10	-60	-65	-60	-45	36	-4	-4	-6	-7	15	25	-25	30	85	-20	40	25
Coefficient of expansion [ppm/K]	TMA ISO 11359-2:1999-10	56 < Tg 211 > Tg	80 < Tg 220 > Tg	65 < Tg 175 > Tg	66 < Tg 260 > Tg	85 < Tg 206 > Tg	79 < Tg 178 > Tg	42 < Tg 146 > Tg	42 < Tg 146 > Tg	60 < -20 150 > -5	58 < Tg 142 > Tg	90 < Tg 195 > Tg	70 < Tg 215 > Tg	60 < 20 215 > 40	54 < Tg 151 > Tg	50 < Tg 162 > Tg	76 < Tg 206 > Tg	70 < Tg 230 > Tg
Water absorption [%]	30 days, 22°C	0.2	0.2	0.5	3.5	0.4	0.3	0.7	0.6	0.3	0.4	0.5	2.3	1.1	0.3	1.3	0.5	0.6
Flammability	UL 94	HB	HB	HB	HB	HB	V-2 1.5 mm**	HB	V-0 1.6 mm**	V-0 6 mm**	V-0 1.5 mm**	HB	HB	HB	V-0 6 mm**	V-0 6 mm**	HB	HB
Dielectric strength [kV/mm]	DIN EN 60243-1:2014-01	25	20	23	22	30	32	30	30	> 25	29	28	25	> 20	34	> 20	32	35
Volume resistivity [Ω·cm]	DIN EN 62631-3-1:2017-01	10 ¹⁴	10 ¹⁵	10 ¹⁴	10 ¹¹	--	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁵	10 ¹⁴	10 ¹⁵	10 ¹⁵	10 ¹⁴	10 ¹²	10 ¹⁶	10 ¹⁴
Dielectric constant ε (at 50 Hz, 23°C)	DIN EN IEC 62631-2-1:2018-12	3.1	5.1	3.0	8.7	3.4	5.5	5.7	5.7	5.6	5.6	4.0	7.1	6.3	3.7	7.8	3.6	--
Loss factor tan δ (at 50 Hz, 23°C)	DIN EN IEC 62631-2-1:2018-12	0.014	0.020	0.080	0.347	0.033	0.140	0.040	0.040	0.146	0.117	0.070	0.060	0.093	0.010	0.090	0.021	--

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

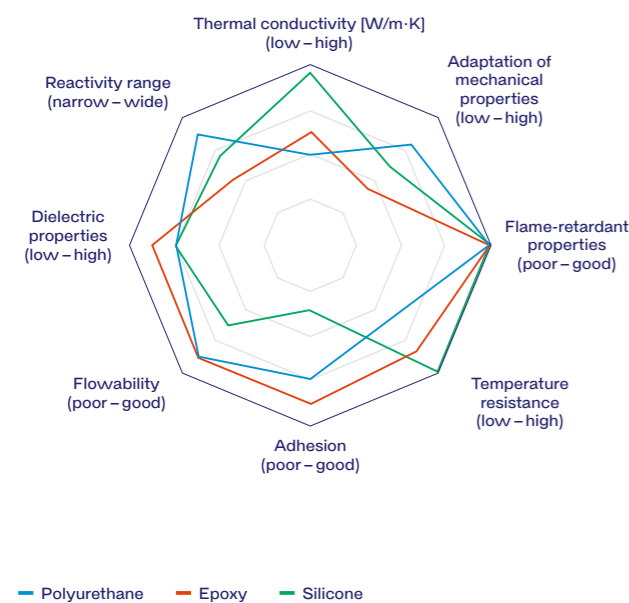
For a more detailed technical description of our systems please refer to the corresponding data sheets which are available for all products.
 Please see our special notes on the back of this brochure.

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

- IATF 16949
- ISO 14001
- ISO 45001
- ISO 9001

Material certifications

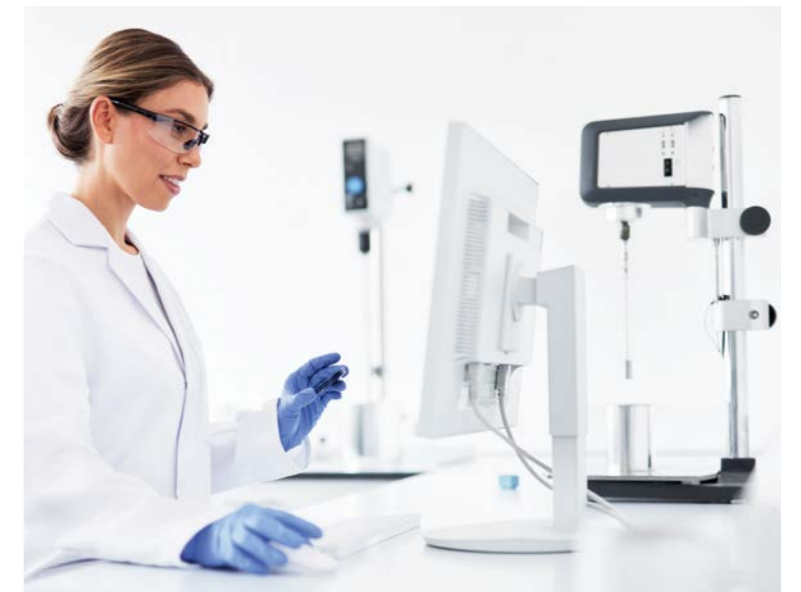
- UL 94
- RTI
- HWI/HAI
- DIN EN 45545-2
- DIN EN 60216-1
- ExPlast

EU guidelines/regulations

- RoHS
- REACH SVHC

AS INDIVIDUAL AS YOU ARE

On request, we can work together to develop your individual polyurethane solution, optimised for your application. 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.

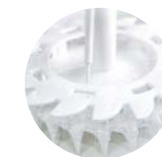
02



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.