



**wevo**

WEVO  
CASTING RESINS  
EPOXY




**PRODUCT OVERVIEW EPOXY CASTING RESINS**

WEVOPOX		A 50	VE	30010	2003 FL	34001 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 : 14	100 : 10	100 : 30	100 : 10	100 : 12,5	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	3.400–4.000	3.000–5.000	10.000–20.000	15.000–20.000	2.800–3.800	5.000–8.000	3.000–5.000	2.000–3.000	3.000–6.000	4.000–8.000	2.500–4.500
Pot life at 22°C [min.] <sup>®</sup>		60–100	40	50	120	100–120	120	25–35	50–70	35 (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/cm³]	DIN EN ISO 2811-1:2016-08	1,14–1,19	1,15–1,18	1,13–1,18	1,61–1,65	1,60–1,68	1,79–1,84	1,43–1,47	1,78–1,85	1,65–1,70	1,68–1,78	1,85–1,89	2,38–2,42	1,85–1,93	1,78–1,86
Density of hardener at 22°C [g/cm³]	DIN EN ISO 2811-1:2016-08	0,95–0,99	0,99–1,02	0,94–0,98	0,94–0,98	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	40–45	85–90	85–90	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 +155	-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/mm²]	DIN EN ISO 527-2:2012-06	2.300	3.200	2.600	40	5.500	6.500	6.500	6.200	5.000	8.600	9.700	11.000	6.000	14.300
Thermal conductivity [W/m·K]	DIN EN ISO 22007-2:2015-12	0,2	0,2	0,2	0,7	0,7	0,8	0,7	0,4	0,6	0,9	1,0	1,4	0,7	0,7
Glass transition temperature [°C]	TMA ISO 11359-2:1999-10	94	49	98	-10	50	45	75	76	117	90	47	52	147	64
Coefficient of expansion [ppm/K]	TMA ISO 11359-2:1999-10	81 < 50°C 173 > 120°C	78 < 10°C 163 > 60°C	48 < 70°C 159 > 120°C	61 < -40°C 161 > 40°C	52 < 30°C 156 > 90°C	59 < 20°C 151 > 80°C	58 < 20°C 215 > 80°C	56 < 60°C 155 > 90°C	53 < 80°C 157 > 150°C	40 < 80°C 146 > 100°C	48 < 30°C 130 > 80°C	29 < 40°C 91 > 80°C	43 < 120°C 125 > 160°C	42 < 30°C 138 > 80°C
Water absorption [%]	30 days, 22°C	0,8	0,8	0,6	1,5	0,3	0,2	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 4 mm	HB	HB	HB	HB	V-0 6 mm <sup>**</sup>	V-0 6 mm	HB	HB	HB
Dielectric strength [kV/mm]	DIN EN 60243-1:2014-01	–	25	–	–	–	39	–	–	–	33	–	20	–	36
Volume resistivity [Ω·cm]	DIN EN 62631-3-1:2017-01	10 <sup>16</sup>	10 <sup>15</sup>	10 <sup>15</sup>	10 <sup>12</sup>	10 <sup>17</sup>	10 <sup>16</sup>	10 <sup>15</sup>	10 <sup>15</sup>	10 <sup>15</sup>	10 <sup>15</sup>	10 <sup>17</sup>	10 <sup>15</sup>	10 <sup>14</sup>	10 <sup>15</sup>
Dielectric constant ε (at 50 Hz, 22°C)	DIN EN IEC 62631-2-1:2018-12	3,1	4,1	3,7	7,8	4,7	4,0	4,2	4,7	5,1	3,8	4,8	4,8	3,6	3,4
Loss factor tan δ (at 50 Hz, 22°C)	DIN EN IEC 62631-2-1:2018-12	0,013	0,020	0,012	0,180	0,026	0,025	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.

<sup>®</sup> The indicated range of pot life corresponds with current standard versions. Adjustment of pot life is possible.

<sup>\*\*</sup> 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.

The manner in which you use and the purpose to which you put and utilize 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 release us from all liability (in tort, in contract or otherwise) incurred in connection with the use of our products, technical assistance and information. Any statement or recommendation not contained herein is unauthorized 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 license is implied or in fact granted under the claims of any patent.



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