PRODUCT OVERVIEW TRANSPARENT POTTING MATERIALS

wevo

WEVOPUR		1211	1222	1223	1240	1250	50001
WEVONAT		356	360	360	360	360	356
Mixing ratio (parts by weight)		100 : 41	100 : 163	100 : 116	100 : 54	100 : 100	100 : 109
Mixed viscosity at 22 °C [mPa·s]	Rotational viscometer	2,300–2,700	1,800–2,500	1,500–2,000	1,800–2,500	1,800–2,400	500–1,500
Reactivity at 22 °C [min]*		50–60	50–60	50–60	40–60	30–40	40–60
Density of resin at 22 °C [g/cm³]	DIN EN ISO 2811-1:2016-08	1.06–1.11	1.03–1.07	1.04–1.08	1.06–1.10	1.07–1.11	1.06–1.10
Density of hardener at 22 °C [g/cm³]	DIN EN ISO 2811-1:2016-08	1.09–1.13	1.13–1.17	1.13–1.17	1.13–1.17	1.13–1.17	1.09–1.13
Shore hardness A/D	DIN ISO 7619-1:2012-02	50–60 / --	-- / 75–85	-- / 55–65	70–80 / --	-- / 40–50	65–75 / --
Tensile strength [N/mm²]	DIN EN ISO 527-2:2012-06	2	38	27	2	4.5	2
E modulus [N/mm²]	DIN EN ISO 527-2:2012-06	3	1,900	83	9	10	9
Elongation at break [%]	DIN EN ISO 527-2:2012-06	70	69	120	25	50	41
Glass transition temperature [°C]	TMA ISO 11359-2:1999-10	-29	36	17	-12	11	-9
Operating temperature [°C]		-40 up to +120	-40 up to +120	-40 up to +120	-40 up to +120	-40 up to +120	-40 up to +120
Curing time at room temperature [h]		12–24	12–24	12–24	12–24	12–24	12–24
Coefficient of expansion [ppm/K]	TMA ISO 11359-2:1999-10	109 < -40 °C 238 > -10 °C	80 < 10 °C 190 > 50 °C	100 < 10 °C 190 > 30 °C	95 < -20 °C 230 > 0 °C	100 < 0 °C 191 > 20 °C	100 < -30 °C 193 > 20 °C
Water absorption [%]	30 days, 22 °C	1.2	0.7	1.0	1.5	1.1	1.7
Volume resistivity [Ω·cm]	DIN EN 62631-3-1:2017-01	10^{11}	10^{15}	10^{15}	10^{12}	10^{12}	10^{12}
Dielectric constant ε (at 50 Hz, 23 °C)	DIN EN IEC 62631-2-1:2018-12	6.73	2.74	4.55	8.37	4.53	10.49
Loss factor tan δ (at 50 Hz, 23 °C)	DIN EN IEC 62631-2-1:2018-12	0.047	0.012	0.088	0.091	0.088	0.025

All processing parameters relate to room temperature. All mechanical, thermal and electrical data refer to fully cured products. For a more detailed technical description of our systems please refer to the corresponding data sheets, which are available for all our products. Please see our special notes on the back of this sheet.
* The indicated range of pot life corresponds with current standard versions. Adjustment of pot life is possible.

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