

Resin/component A	WEVOPUR 9064 B/30	WEVOPOX 32702	WEVOSIL 28001 A	WEVOPUR PD 52	WEVOPUR 2082
Resin/component B	WEVONAT 507	WEVODUR 5008	WEVOSIL 28001 B	WEVONAT 385	WEVONAT 1000
Type	2-component room temperature curing polyurethane resin	2-component room temperature curing epoxy resin	2-component room temperature curing silicone sealant	2-component room temperature curing polyurethane resin	2-component room temperature curing polyurethane resin
Mixing ratio (parts by weight)	100:35	100:10	100:100	100:26	100:82
Mixed viscosity [mPa·s]	1,200–1,600	2,000–3,500	30,000–60,000	1,200–2,000	500–700
Pot life at 22°C [min.]	app. 30	60–80	60–90	30–40	app. 60 min.
Density A-component [g/cm ³]	2.02–2.08	1.78–1.84	1.28–1.32	1.06–1.09	1.01–1.05
Density B-component [g/cm ³]	1.20–1.24	0.95–0.99	1.28–1.33	1.20–1.24	1.20–1.24
Shore hardness	85–92 D	80–90 D	60–70 A	70–80 A	75–85 D
Operating temperature [°C]	-30 up to +140	-40 up to +130	-60 up to +200	-60 up to +125	-40 up to +120
E modulus [N/mm ²]	–	6,200	4.5	15	2,600
Elongation [%]	–	1.4	100	200	12
Glass transition temperature [°C]	88	76	-55	-60	59
Water absorption [%]	0.3	0.3	< 0.2	0.5	–
Dielectric strength [kV/mm]	31	–	> 30	23	–
Dielectric constant at 50 Hz, 23°C	4.9	4.7	3.1	3.0	3.1
Dissipation factor at 50 Hz, 23°C	0.05	0.011	0.013	0.08	0.09
Properties	Highly acid-resistant, thixotropic version: WEVOPUR VP 456	Highly resistant in acidic and caustic conditions, thixotropic version: WEVOPOX VP 455	Highly acid-resistant, PFAS-free, thixotropic version: WEVOSIL 18001 T	Highly resistant in caustic conditions, PFAS-free, thixotropic versions available	Highly resistant in caustic conditions
Target application	Anti-corrosive coating, encapsulation, adhesive, especially for V-RFB	Anti-corrosive coating, encapsulation, adhesive, especially for V-RFB	Sealing, adhesive, encapsulation, especially for V-RFB	Sealing, adhesive, encapsulation, especially for organic RFB	Sealing, adhesive, encapsulation, especially for organic RFB

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.

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