

Technical Datasheet

WEVOPUR 895

Medium viscous, solventless two-component polyurethane adhesive with tough elastic properties.

Temperature range of use: -30°C to +130°C.

The casting resin is used with WEVONAT 600

Applications: Glueing of metals like aluminium, iron, stainless steel, tin coated metal, ceramics, glass and plastic or elastomers.

Product Specification:

<u>Mixing ratio:</u>	100	parts by weight	WEVOPUR 895		
	25	parts by weight	WEVONAT 600		
<u>Viscosity (22°C):</u>	WEVOPUR 895 :	28.000	–	38.000	mPa·s
	WEVONAT 600:	300	–	700	mPa·s
	Mixture:	15.000	–	25.000	mPa·s
<u>Density (22°C):</u>	WEVOPUR 895 :	1,40	–	1,47	g/cm³
	WEVONAT 600:	1,20	–	1,24	g/cm³
<u>Colour::</u>	WEVOPUR 895 :	nature or as requested			
	WEVONAT 600:	dark brown			
<u>Pot life (100 g):</u>	20 – 30 minutes	at room temperature			
	The curing time depends on the temperature, the pot life, the thickness of the layer and the casting volume				
<u>Curing time:</u>	12 – 16 hours	at room temperature			

It is possible to accelerate the potlife and curing time as requested.

Physical Properties:

(after curing 24 h./80°C)

<u>Shore-hardness D:</u>	45 – 50
<u>Tensile strength:</u>	11 N/mm ²
<u>Elongation at break:</u>	84 %
<u>Modulus of elasticity:</u>	70 N/mm ²
<u>Thermal conductivity:</u>	0,52 W/m·K
<u>Glass transition temperature:</u>	25 °C
<u>Coefficient of Expansion:</u>	70 ppm/K 230 ppm/K
<u>Thermal class:</u>	B
<u>Shrinkage after curing:</u>	-
<u>Water absorption:</u>	0,6 %
<u>Flammability:</u>	HB

Test specification:

In accordance with ISO 7619-1 (Pressing time 3 sec.)
ISO 527-2
ISO 527-2
ISO 527-2
ISO 22007-2:2008
TMA
< 20°C, TMA > 30°C, TMA
DIN EN 60085
after 30 days immersion
according to UL 94

Electrical Properties:

<u>Dielectric strength:</u>	35 kV/mm	DIN EN 60243
<u>Volume resistance:</u> 23°C/50% r.h.	1,96 · 10 ¹⁴ Ω·cm	DIN EN 62631-3-1:2016
<u>Surface resistance:</u> 23°C/50% r.h.	3,05 · 10 ¹⁵ Ω	DIN EN 62631-3-2:2016
<u>Dielectric constant ε:</u> at 50 Hz, 23°C at 1 kHz, 23°C at 1 MHz, 23°C	- 5,357 3,954	DIN EN 60250
<u>Dissipation factor tan δ:</u> at 50 Hz, 23°C at 1 kHz, 23°C at 1 MHz, 23°C	- 0,096 0,043	DIN EN 60250
<u>Comparative tracking index:</u>	CTI 600	DIN EN 60112

Packaging: 5 kg, 10 kg and 30 kg-buckets, 250 kg drums

Shelf life: in original closed cans or drums, dry storage between 15°C and 25°C, 6 months after production.

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RoHS conform

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