

7. ADHESIVES VULAL/ LVL 100, LVL 200, LAL 205



CABLES



IMPREGNANTS



WIRES



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Application:

Adhesive enamels LVL 100, LVL 200 a LAL 205 is suitable mainly for mechanical hardening - glue of wire in stator windings of electrical machines, etc. It is possible to create electroinsulating mastic from enamels in combination with fillers based on inorganic basis. Enamel is applicable by brushing or soaking. Recommended hardening time is 1 hour at 160 °C.

Characteristics:

LVL 100, LVL 200 a LAL 205 are one-component adhesive enamels based on modified epoxide resins with little volume of ephemeral substance (max. 8 %).

Processing data:

		LVL 100	LVL 200	LAL 205
Color		yellow		
Viscosity at 20 °C	[mPa.s]	3500 ± 500	2000 ± 600	3000 ± 500
Density	[g/cm ³]	1,15	1,16	1,16
Shelf life at 20 °C	[months]	min. 6	min. 6	min. 6
Gel time at 160 °C	[min]	20	10	10



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Properties after cure:

		LVL 100	LVL 200	LAL 205
Thermal endurance	[°C]	155	155	155
Electric strength thickness 0,5 mm	[kV/mm]	40	60	40
Volume resistivity	23 °C	$2 \cdot 10^{13}$	$2 \cdot 10^{12}$	$2 \cdot 10^{12}$
	155 °C	$2 \cdot 10^7$	$2 \cdot 10^9$	$2 \cdot 10^9$

Packing and storage:

Adhesive enamels are being packed into clean and dry metal containers.

Adhesive enamels have to be stored in closed containers at max. 25°C in a dry environment that suits the requirements for storing inflammable materials.

Adhesive enamels may not be exposed to direct sunlight, heat radiation, frost or wetness.

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