

## CABAC CAST RESIN JOINT DATA SHEET – GTA Series

### Low Voltage Cast Resin Straight Through Joints

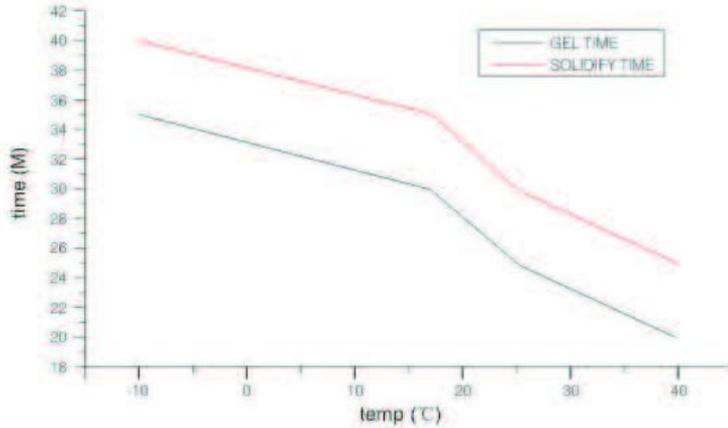
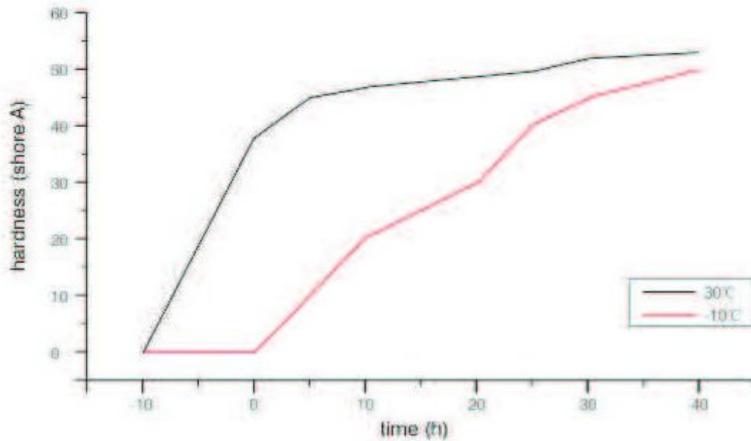


Table 1. shows gel time and complete solidifying time (shown in minutes) curves for installation reference at variable temperatures.

Technical Data	Value	According to DIN VDE 0291
Pot life @		
5°C	35 min	
23°C	20 min	product conforms ±30%
35°C	15 min	
Reactant	>200°C	>55
Open cup flash point		
Tensile strength	≥8.0 Mpa	≥5.0
Hot aging	-5 Shore A	-7
Adhesive	>1500 CP. S	<1500
Tear elongation	≥100%	≥50
Gel time for 300 ml @	23°C	
Pouch >1000ml	26 min	product conforms ±10%
Pouch <1000ml	17 min	product conforms ±10%
Max. reaction temp	60°C/333K	product conforms ±10%
Total vol. variable when hardening	6%	max. 6.5%
Cast resin component		
Open cup flash point	>200°C	>100
Density	1.07g/cm <sup>3</sup>	-
Impact strength	>10kJ/m <sup>2</sup>	> 10kJ/m <sup>2</sup>
Hardness	75 Shore A	min. 20 Shore D

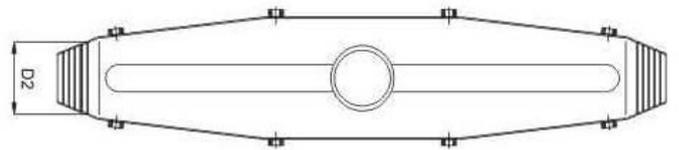
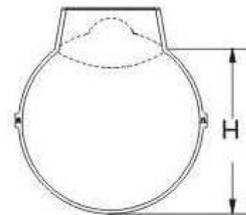
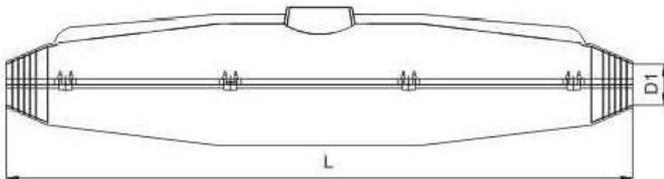
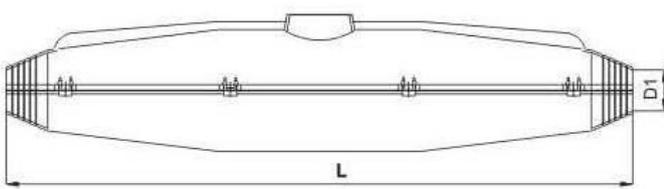


**Table 2.** shows hardness levels (shore A) together with elapsed time in hours at variable temperatures.

Technical data	Value	According to DIN VDE 0291
Expansion coefficient in temp range of 20-50°C	5.9 x 10 <sup>-4</sup> K <sup>-1</sup>	product conforms ±15%
Thermal conductivity	0.2W x m <sup>-1</sup> x K <sup>-1</sup>	product conforms ±20%
Flammability	Class II c	acc to DIN VDE 0304, part 3
Water absorption 42 days@50°C	360mg	max. 400 mg
Electrolytic corrosion	A 1	-
Voltage test@		no breakdown @ test voltage
23°C	>20kV	20kV
80°C	>10kV	20kV
Dielectric dissipation factor @ 23°C and 50Hz	0.08	max. 0.1
@ 23°C and 1kHz	0.05	-
Relative permittivity 23°C @ 50Hz	5	< 6
23°C @ 1kHz	5.1	-
Tracking resistance	KA 3c	min. KA 3c
Physical values after 28 days of immersion in 90°C water		
Tensile strength	8.2N/mm <sup>2</sup>	≥65% of initial value
Elongation at break	60%	≥65% of initial value
Hardness	47 Shore	≥80% of initial value



Type	Cable Size mm <sup>2</sup>	L(mm)	H(mm)	D1(mm)	D2(mm)
GTA1	4 x 1.5 - 10	202	36	8	26
GTA3	4 x 10 - 25	260	47	16	32
GTA4	4 x 35 - 50	360	55	21	38
GTA5	4 x 50 - 70	400	70	26	41
GTA6	4 x 95 - 150	530	100	35	56
GTA7	4 x 185 - 300	700	125	47	74



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