

## THERMALLY CONDUCTIVE EPOXY RESINS, TWO-COMPONENT\*

REF	MIX RATIO	CURING SCHEDULE Recommended	POT LIFE After mixing	VISCOSITY	T <sub>g</sub>	DEGRADATION	FILLER	THERMAL EXPANSION		RESISTIVITY	COMMENTS
								BEFORE TG	AFTER TG		
E701	1/1	5 min at 150°C	8 h at 25°C	1,7 Pa.S	70-80°C	420°C		50.10 <sup>-6</sup> /°C	150.10 <sup>-6</sup> /°C	10 <sup>13</sup> Ω.cm	Silicon chip bonding - Grey - <i>Also in black : E701N</i>
E702	1/1	5 min at 150°C	8 h at 25°C	8 Pa.S	70-80°C	420°C		50-60.10 <sup>-6</sup> /°C	150-160.10 <sup>-6</sup> /°C	10 <sup>13</sup> Ω.cm	Silicon chip bonding - Higher thixotropy than E701 - Grey - <i>Also in black : E702N</i>
E704	1/1	5 min at 150°C	24 h at 25°C	7 Pa.S	75-85°C	410-420°C		40-50.10 <sup>-6</sup> /°C	120-150.10 <sup>-6</sup> /°C	10 <sup>13</sup> Ω.cm	Glob top - Thermocouple bonding - Grey <i>Existe aussi en version noire : E704N</i>
E705	30/1	5 min at 150°C	4 h at 25°C	50 Pa.S	75-90°C	380-400°C		30-40.10 <sup>-6</sup> /°C	90-100.10 <sup>-6</sup> /°C	10 <sup>13</sup> Ω.cm	Thermocouple bonding - Very high viscosity - Grey - <i>Also in black : E705N</i>
E707	1/1	5 min at 150°C	48 h at 25°C	6 Pa.S	85-95°C	410-420°C	45%	40-50.10 <sup>-6</sup> /°C	120-150.10 <sup>-6</sup> /°C	10 <sup>13</sup> Ω.cm	Very good adhesion on strain gauge - good thermal conductivity - ESA PSS-01-702 reconized
E707RT	2/1	8-15 days at 25°C	4 h at 25°C	9 Pa.S	50-70°C	400°C		50-60.10 <sup>-6</sup> /°C	150-200.10 <sup>-6</sup> /°C	10 <sup>13</sup> Ω.cm	Same as E707 but room temperature
E708	10/1,6	12 h at 25°C	1 h at 25°C	3,5 Pa.S	60-80°C	340-350°C	17%	50-60.10 <sup>-6</sup> /°C	200-210.10 <sup>-6</sup> /°C	10 <sup>13</sup> Ω.cm	Silicon chip bonding - Grey - Room temperature - <i>Also in black : E708N</i>

The information in this sheet is based on data measurements which we believe to be correct. Epotecny, however, does not accept responsibility for the adaptation of this product to any particular use.

\* for more precision on the technical properties, to refer to the individual data sheet.

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