

S712 is a transparent, high temperature resistant, medium viscosity instant curing adhesive

(10-30 seconds tack free, 2 hours completely cure)

Environmental friendly, non-toxic, dilute liquid (good fluidity), colorless and transparent, high temperature resistance (+ 150 °C), low temperature (- 55 °C), high bonding strength, no whitening, and high long-term reliability

Suitable for bonding the materials between metals, rubber, plastic, silica gel, fiber, electroplated parts, TPU / TPR / TPE / PVC / PU / PP / PE / PC, etc.

Widely used in the bonding of electronic appliances, silicone keys, toy crafts, modules, auto parts and other products

Appearance	Transparent	Visual
Viscosity@25°C	500-800cps	Brookfield DV-3
Density@25°C	1.1g/ml	ISO 1183
Thermal conductivity	0.1W/m.K	ISO8302
Tg	120°C	ISO11359-2
Hardness	ShoreD 80	ISO868

#### Curing rate of bonding different materials

The ambient temperature 25 °C, the relative humidity 60 ± 10%

Substrates	Curing time (s)	Bonding strength kg/cm <sup>2</sup>
Steel-Steel	20-30	200
Aluminum	5-15	180
SUS	15-25	170
PC-TPR	20-60	100
ABS-ABS	5-10	65
NBR-ABS	3-5	10

Working temperature	-55°C ~ 150°C	Long-term
Volume resistance	≥ 1X10 <sup>14</sup> Ω.cm	IEC 60093
Dielectric constant	25000V/1mm	

#### Operating instructions

Make sure that the coating position is clean and the surface is free of dust, oil, salt, flux and other pollutants before use, so as to prevent the influence on its bonding performance

Please read the relevant safety and health information contained in this manual or material safety data sheet (MSDS) carefully before use to ensure safe use

Curing schedule	2 hours	@ 25°C RH40%
Open time	10-30 秒	@ 25°C RH40%

#### Cautions

Do not wear gloves when using the product. Finger cover is recommended

Keep the operating space ventilated at room temperature

Avoid to operate in open fire or electric welding area

In case of contact with skin or eyes, rinse immediately with water

#### Storage

Sealed and dark place @ 25°C	6 months
Sealed and dark place @ 4°C	10 months

Products should be stored in sealed, dark and temperature controlled conditions, and the storage conditions should follow what have been clearly marked on the product label. Enbond shall not be liable for any loss caused by product failure due to storage temperature higher than 25 °C.

#### Package

Small bottle	18ml/20g
Large bottle	450ml/500g

#### Special declaration

The performance data is only for reference in use, and cannot guarantee all the data that can be achieved in a specific environment. Please refer to the measured data when using.

The data contained in this paper are only reliable information provided by the manufacturer. We do not assume all relevant responsibilities for the results caused by other methods beyond the control of the manufacturer. It is the user's responsibility to decide which production method is suitable for the user and take appropriate preventive measures to ensure the safety of the user's property and personnel during the use of the product.

To sum up, we deny any express or implied warranty, including the merchantability of the goods, the suitability of the products for special purposes, and the sales resulting from the products. No liability for any indirect or incidental loss, including loss of profit.

The multiple processing methods or components discussed in this paper shall not be considered as a cause of infringement of any patent right, and the manufacturer's patent may include any of these processing methods or components. We suggest that every potential user should actually test the product application before each use. The data in this paper is for reference only.

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