

# Epotack®

<b>Product Name</b>	AG-1A/AG-1B-2
<b>Product Category</b>	Resin for Car Electro Devices & Sensors
<b>Usage</b>	General Modules
<b>Function</b>	Low Stress, Fast Curing, Stress Release, Shock Absorption

## As supplied

(Typical Value)

Item	Condition	Unit	AG-1A	AG-1B-2
<b>Appearance</b>	visual	–	Light yellow clear liquid	Light brown clear liquid
<b>Specific Gravity</b>	25°C	–	1.20	1.10
<b>Viscosity</b>	25°C	mPa·s	4,500	4,700
<b>Mixing Ratio</b>	parts by weight		100/100	
<b>Gel Time</b>	25°C, 20g scale	min sec	3min 30sec	
	25°C, 3g scale	min	3min (gelation) 45~60min (tuck free)	
<b>Curing Heat Generation</b>	small dish (φ40mm), 25°C, 3g scale	°C	50.9°C (about 4min)	

**Standard Curing Condition    25°C x 100 minutes**

## As cured

Item	Condition	Unit	Typical Value
<b>Hardness</b>	JIS K-7215 25°C	Shore D	80
<b>Glass Transition Temperature</b>	TMA	°C	40
<b>Coefficient of Thermal Expansion</b>	below Tg	10 <sup>-5</sup> /°C	6.7
	above Tg	10 <sup>-5</sup> /°C	19.6
<b>Flexural Strength</b>	JIS K 6911 25°C	MPa	81
<b>Flexural Modulus</b>	JIS K 6911 25°C	MPa	2200
<b>Tensile Strength</b>	JIS K 7161 25°C	MPa	40
<b>Tensile Modulus</b>	JIS K 7161 25°C	MPa	1130
<b>Volume Resistivity</b>	JIS K 6911 25°C	Ω·cm	1.2 x 10 <sup>14</sup>
	JIS K-6911 boil for 1hr	Ω·cm	3.2 x 10 <sup>8</sup>
<b>Water Absorption</b>	JIS K-6911 boil for 1hr	wt%	3.2
<b>Shear Adhesive Strength</b>	JIS K-6850 at 25°C (Fe-Fe)	MPa	12

The above values are typical and not specification



**PELNOX, LTD.**

Tokyo Sales Office    3-7-2, Nihonbashi-Honcho, Chuo-ku, Tokyo, 103-0023, Japan  
 TEL : 81-3-5645-3782    FAX : 81-3-5645-3784

R&D Center    8-7, Bodai, Hadano-shi, Kanagawa, 259-1302, Japan  
 TEL : 81-463-86-8001    FAX : 81-463-86-8022