

## Pelnox®

<b>Product Name</b>	ME-269 TYPE T/HV-112 TYPE T
<b>Product Category</b>	Potting Resin for Seiconductors, Resin for Car Electro Devices & Sensors
<b>Usage</b>	Semiconductor Modules, Car Electro Devices, Sensors
<b>Function</b>	Heat Resistant, Flame Resistant, Heat Cycle Resistant

### As supplied

(Typical Value)

Item	Condition	Unit	ME-269 TYPE T	HV-112 TYPE T
<b>Appearance</b>	visual	—	Black viscous liquid	Milky white viscous liquid
<b>Specific Gravity</b>	25°C	—	1.84	1.76
<b>Viscosity</b>	25°C	mPa·s	40,000	11,000
<b>Mixing Ratio</b>	parts by weight		100/100	
<b>Pot Life</b>	25°C, time up to double viscosity	hour	8	
<b>Gel Time</b>	100°C 40g	分	Feb-00	
<b>Mixed Viscosity</b>	25°C	mPa·s	16,000	

**Standard Curing Condition** 100°C x 1 hour + 150°C x 3 hours

### As cured

Item	Condition	Unit	Typical Value
<b>Hardness</b>	JIS K-7215 25°C	Shore D	91
<b>Heat Distortion Temperature</b>	JIS K-7191-3	°C	171
<b>Glass Transition Temperature</b>	TMA	°C	162
<b>Coefficient of Thermal Expansion</b>	below Tg	10 <sup>-5</sup> /°C	2.5
	above Tg	10 <sup>-5</sup> /°C	7.6
<b>Flexural Strength</b>	JIS K-6911	MPa	79
<b>Flexural Modulus</b>	JIS K-6911	MPa	10,300
<b>Volume Resistivity</b>	JIS K 6911 25°C	Ω-cm	9.0 x 10 <sup>15</sup>
	JIS K 6911 boil for 2hrs	Ω-cm	3.0 x 10 <sup>15</sup>
	JIS K 6911 boil for 24hrs	Ω-cm	1.2 x 10 <sup>14</sup>
<b>Water Asorption</b>	JIS K 6911 boil for 2 hrs	wt%	0.16
<b>Flame Resistance</b>	UL-94		V-0 recognized

The above values are typical and not specification.



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