

## Pelnox®

<b>Product Name</b>	ME-5031 LC
<b>Product Category</b>	One Component Type Resin
<b>Usage</b>	Car Electro Devices, General Modules
<b>Function</b>	One Component, Low Stress, Low Curing Shrinkage

### As supplied

(Typical Value)

Item	Condition	Unit	ME-5031 LC
<b>Appearance</b>	visual		Black liquid
<b>Specific Gravity</b>	25°C		1.74
<b>Viscosity</b>	25°C	mPa·s	94,000

**Standard Curing Condition    150°C x 30minutes**

### As cured

Item	Condition	Unit	Typical Value
<b>Hardness</b>	JIS K 7215 25°C	Shore D	95
<b>Cured Specific Gravity</b>	JIS K 7232 25°C		1.79
<b>Glass Transition Temperature</b>	DSC	°C	117
<b>Coefficient of Thermal Expansion</b>	below Tg	10 <sup>-5</sup> /°C	2.2
	above Tg	10 <sup>-5</sup> /°C	8.4
<b>Flexural Strength</b>	JIS K 6911 25°C	MPa	150
<b>Flexural Modulus</b>	JIS K 6911 25°C	MPa	8,500
<b>Tensile Strength</b>	JIS K 6251 25°C	MPa	45
<b>Shear Adhesive Strength</b>	JIS K 6850 (Fe-Fe)	MPa	21
<b>Weight Loss</b>	2% weight loss, heated in air, 10°C/min	°C	350
	5% weight loss, heated in air, 10°C/min	°C	374

The above values are typical and not specification



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