

## Pelnox®

<b>Product Name</b>	ME-352/HY-331
<b>Product Category</b>	Resin for Car Electro Devices & Sensors
<b>Usage</b>	Film Capacitors, General Modules
<b>Function</b>	Low Temperature Curing

### As supplied

(Typical Value)

Item	Condition	Unit	ME-352	HY-331
<b>Appearance</b>	visual		Black viscous liquid	Light yellow liquid
<b>Specific Gravity</b>	25°C		1.58	0.97
<b>Viscosity</b>	25°C	mPa.s	24,000	50
<b>Mixing Ratio</b>	parts by weight		100/15	
<b>Mixed Viscosity</b>	25°C	mPa.s	4,400	
<b>Tack Free Time</b>	25°C, 30g scale	hour	5	

**Standard Curing Condition    60°C x 8 hours**

### As cured

Item	Condition	Unit	Typical Value
<b>Hardness</b>	JIS K 7215 25°C	Shore D	86
<b>Heat Distortion Temp.</b>	JIS K 7191	°C	54
<b>Flexural Strength</b>	JIS K 6911	MPa	70
<b>Flexural Modulus</b>	JIS K 6911	MPa	5,800
<b>Tensile Strength</b>	JIS K 7161	MPa	49
<b>Shear Adhesive Strength</b>	JIS K 6850 Fe-Fe	MPa	12
<b>Water Absorption</b>	JIS K 6911 boil for 2hrs	%	1.23
<b>Volume Resistivity</b>	JIS K 6911 at normal condition	Ω-cm	2.1 x 10 <sup>15</sup>
	JIS K 6911 boil for 2hrs	Ω-cm	5.2 x 10 <sup>12</sup>
<b>Dielectric Constant</b>	JIS K 6911 1kHz-1MHz		4.7-4.4
<b>Dielectric Loss Tangent</b>	JIS K 6911 1kHz-1MHz	%	1.7-2.2
<b>Flame retardance</b>	UL-94		equivalent to V-0

The above values are typical and not specification



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