

## Pelnox®

<b>Product Name</b>	<b>ME-352/HV-132</b>
<b>Product Category</b>	Resin for Car Electro Devices & Sensors
<b>Usage</b>	Film Capacitors, General Modules
<b>Function</b>	Heat Resistant, Heat Cycle Resistant, Flame Resistant

### As supplied

(Typical Value)

Item	Condition	Unit	ME-352	HV-132
Appearance	visual	–	Black viscous liquid	Yellow brown clear liquid
Specific Gravity	25°C	–	1.58	1.20
Viscosity	25°C	mPa·s	24,000	70
Mixing Ratio	parts by weight		100/39	
Gel Time	100°C	minute	27	
Mixed Viscosity	25°C	mPa·s	1,700	

**Standard Curing Condition    100°C x 1 hour**

### As cured

Item	Condition	Unit	Typical Value
Hardness	JIS K-7215 25°C	Shore D	90
Heat Distortion Temperature	JIS K-7191-3	°C	98
Glass Transition Temperature	TMA	°C	92
Coefficient of Thermal Expansion	below Tg	10 <sup>-5</sup> /°C	6
	above Tg	10 <sup>-5</sup> /°C	84
Flexural Strength	JIS K-6911	MPa	84
Flexural Modulus	JIS K-6911	MPa	4,300
Volume Resistivity	JIS K 6911 25°C	Ω-cm	8.0 x 10 <sup>16</sup>
Water Absorption	JIS K 6911 boil for 1hr	wt%	0.28
Breakdown Voltage	JIS K-6911	kV/mm	16
Flame Resistance	UL-94		V-0 recognized

The above values are typical and not specification.



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