

## Pelnox®

<b>Product Name</b>	<b>ME-113/XH-1859-2</b>
<b>Product Category</b>	Resin for Car Electro Devices & Sensors, Seal for Thermostat & Relays
<b>Usage</b>	General Modules, Sensors, Relays
<b>Function</b>	Flexible, Low Stress, Heat Cycle Resistant

### As supplied

(Typical Value)

Item	Condition	Unit	ME-113	XH-1859-2
<b>Appearance</b>	visual	–	Clear, Black	Light yellow liquid
<b>Specific Gravity</b>	25°C	–	1.15	0.98
<b>Viscosity</b>	25°C	mPa·s	11,000	160
<b>Mixing Ratio</b>	parts by weight		100/100	
<b>Mixed Viscosity</b>	2 5 °C	mPa·s	900	
<b>Gel Time</b>	1 0 0 °C	hour	1.5	

### Standard Curing Condition

1 2 0 °C x 2 hours, or 100°C x 4 hours, or 85°C x 8 hours

### As cured

Item	Condition	Unit	Typican Value		
			120°C-2hrs	100°C-4hrs	85°C-4hrs
<b>Hardness</b>	JIS K-7215 25°C	Shore A	15	15	15
<b>Glass Transition Temperature</b>	TMA	°C	-25	-25	-25
	DSC	°C	-26	-26	-26
<b>Coefficient of Thermal Expansion</b>	below Tg	10 <sup>-5</sup> /°C	6.8	6.8	7
	above Tg	10 <sup>-5</sup> /°C	22	22	22
<b>Volume Reistivity</b>	JIS K 6911 25°C	Ω-cm	1.6 x10 <sup>12</sup>	1.4 x10 <sup>12</sup>	1.0 x10 <sup>12</sup>
<b>Water Absorption</b>	JIS K 6911 boil for 2hrs	wt%	1.7	1.8	1.8
<b>Tensile Strength</b>	dumbbell No.2 100mm/min	MPa	0.7	0.7	0.6
<b>Tensile Modulus</b>	dumbbell No.2 100mm/min	MPa	0.2	0.2	0.2
<b>Elongation at break</b>	dumbbell No.2 100mm/min	%	208	207	197

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