

Pelnox®

Product Name	ME-5064
Product Category	One Component Type Resin, Environmentally Friendly Resin
Usage	Sensors, Relays, General Modules
Function	One Component, Long Potlife, Stress Release

As supplied

(Typical Value)

Item	Condition	Unit	ME-5064
Appearance	visual	–	White viscous liquid
Specific Gravity	25°C	–	1.40
Viscosity	25°C	mPa·s	75,000
TI Value			3.8
Gel Time	130°C 10g	minute	10

Standard Curing Condition 130°C x 60 minutes

As cured

Item	Condition	Unit	Typical Value
Hardness	JIS K-7215 25°C	Shore D	89
Glass Transition Temperature	TMA	°C	110
Coefficient of Thermal Expansion	below Tg	10 ⁻⁵ /°C	52
	above Tg	10 ⁻⁵ /°C	147
Shear Adhesive Strength	JIS K 6850 25°C (Cu-Cu)	MPa	20
Flexural Strength	JIS K 6911 25°C thickness 5 mm	MPa	127
Flexural Modulus	JIS K 6911 25°C thickness 5 mm	MPa	4,500
Volume Resistivity	JIS K 6911 25°C	Ω-cm	6.3 x 10 ¹⁵
	JIS K 6911 boil for 2hrs	Ω-cm	1.2 x 10 ¹⁵
Water Absorption	JIS K 6911 boil for 2hrs	wt%	1.0
Storage Modulus	DMA 25°C 1Hz 5°C/min	GPa	3,300
E'' Peak Top	DMA	°C	120
tanδ Peak Top	DMA	°C	128

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