

Pelnox®

Product Name	YC-107B
Product Category	Resin for Semiconduntors, One Component Type Resin
Usage	Semiconductor Modules, General Modules
Function	One Component Type

As supplied

(Typical Value)

Item	Condition	Unit	YC-107B
Appearance	visual	–	Black liquid
Specific Gravity	25°C	–	1.74
Viscosity	25°C 2rpm	mPa·s	50,000
	25°C 20rpm	mPa·s	28,000
Shelf Life	25°C	day	12
Gel Time	90°C	minute	90
	120°C	minute	15
	150°C	minute	4

Standard Curing Condition **90°C x 2 hours + 150°C x 4 hours**

As cured

Item	Condition	Unit	Typical Value
Hardness	JIS K-7215 25°C	Shore D	91
Heat Distortion Temperature	JIS K-7191-3	°C	162
Glass Transition Temperature	TMA	°C	148
Coefficient of Thermal Expansion	below Tg	10 ⁻⁵ /°C	2.2
	above Tg	10 ⁻⁵ /°C	7.8
Flexural Strength	JIS K-6911	MPa	122
Flexural Modulus	JIS K-6911	MPa	7,800
Volume Resistivity	JIS K 6911 25°C	Ω-cm	1.3 x 10 ¹⁶
	boil for 24hours	Ω-cm	3.5 x 10 ¹⁴
	PCT for 24hours	Ω-cm	2.1 x 10 ¹⁴
Water Absorption	JIS K 6911 boil for 24 hours	wt%	0.39
	PCT for 24 hours	wt%	0.65

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

