

Pelnox®

Product Name	ME-255 TYPE T/HV-125 TYPE T
Product Category	Potting Resin for Seiconductors, Environmentally Friendly Resin
Usage	Semiconductor Modules, Car Electro Devices, Film Capacitors
Function	Flame Resistant, Environmentally Friendly

As supplied

(Typical Value)

Item	Condition	Unit	ME-255 TYPE T	HV-125 TYPE T
Appearance	visual	–	Black viscous liquid	Light yellow visous liquid
Specific Gravity	25°C	–	1.84	1.81
Viscosity	25°C	mPa·s	34,000	15,000
Mixing Ratio	parts by weight		100/100	
Mixed Viscosity	25°C	mPa·s	15,000	

Standard Curing Condition 100°C x 1 hour + 150°C x 3 hours

As supplied

Item	Condition	Unit	Typical Value
Hardness	JIS K-7215 25°C	Shore D	95
Heat Distortion Temperature	JIS K-7191-3	°C	160
Glass Transition Temperature	TMA	°C	174
Coefficient of Thermal Expansion	below Tg	10 ⁻⁵ /°C	2.3
	above Tg	10 ⁻⁵ /°C	7.5
Flexural Strength	JIS K-6911	MPa	58
Flexural Modulus	JIS K-6911	MPa	9,300
Volume Resistivity	JIS K 6911 25°C	Ω-cm	9.1 x 10 ¹⁵
Water Absorption	JIS K 6911 boil for 2hrs	wt%	0.13
Thermal Conductivity	Hot wire method	w/mk	1
Flame Resistance	UL-94 2mm		V-0 recognized

The above values are typical and not specification.



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