

Pelnox®

Product Name	XM-2437/HY-690
Product Category	Resin for Car Electro Devices & Sensors
Usage	Car Electro Devices, General Modules
Function	Flexible, Low Stress, Heat Cycle Resistant

As supplied

(Typical Value)

Item	Condition	Unit	XM-2437	HY-690
Appearance	visual	–	Black viscous liquid	Light brown clear
Specific Gravity	25°C	–	1.58	0.97
Viscosity	25°C	mPa·s	30,000	200
Mixing Ratio	part by weight		100/50	
Gel Time	120°C 70g	minute	40	
Pot Life	25°C	hour	8	
Mixed Viscosity	25°C	mPa.s	1,800	

Standard Curing Condition 120°C x 1.5 hours

As cured

Item	Condition	Unit	Typical Value
Hardness	JIS K-7215 25°C	Shore A	40
Glass Transition Temperature	TMA	°C	-30
Coefficient of Thermal Expansion	below Tg	10 ⁻⁵ /°C	5
	above Tg	10 ⁻⁵ /°C	18
Tensile Strength	JIS K-6251	MPa	1
Tensile Modulus	JIS K-6251	MPa	0.5
Elongation at break	JIS K-6251	%	100
Volume Resistivity	JIS K 6911 25°C	Ω-cm	1.0 x 10 ¹²
Breakdown Voltage	JIS C-2110-1 2mm	kV/mm	21.3
Tracking Resistance	JIS C-2134 CTI	V	>600
Water Absorption	JIS K 6911 boil for 1 hr	wt%	1.5

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