

## *Pel-Urethane*<sup>®</sup>

<b>Product Name</b>	MU-876A-H/MU-876B
<b>Product Category</b>	Polyurethane Resin for Prototype Model
<b>Usage</b>	Prototype Models
<b>Function</b>	Impact Resistant

### As supplied

(Typical Value)

Item	Condition	Unit	MU-876A-H	MU-876B
<b>Appearance</b>	visual	–	Colorless, Black	Light yellow
<b>Specific Gravity</b>	25°C	–	1.08	1.16
<b>Viscosity</b>	25°C	mPa·s	750	220
<b>Mixing Ratio</b>	parts by weight		100/180	
	parts by volume		100/165	
<b>Pot Life</b>	25°C, 100 g	min	6	

### Standard Curing Condition

**60°C-90min or 70°C-60min**

### As cured

Item	Condition	Unit	Typical Value
<b>Curing Condition</b>	–	–	60°C×60min
<b>Appearance</b>	visual	–	白色、黒色
<b>Specific Gravity</b>	JIS K-7112 25°C	–	1.21
<b>Hardness</b>	ASTM D-2240 25°C	shore D	76
<b>Tensile Strength</b>	JIS K-7113	MPa	46
<b>Tensile Modulus</b>	JIS K-7113	MPa	1400
<b>Elongation</b>	JIS K-7113	%	75
<b>Flexural Strength</b>	JIS K-7171	MPa	71
<b>Flexural Modulus</b>	JIS K-7171	MPa	1500
<b>Impact Strength</b>	JIS K-7110 Izod V-notch	KJ/m <sup>2</sup>	12
	JIS K-7111 Chalpy V-notch	KJ/m <sup>2</sup>	17
Load Defoamation Temperature	JIS K-7191 Load 1.8MPa	°C	72
	JIS K-7191 Load 0.45MPa	°C	83
<b>Glass Transition Temp.</b>	TMA	°C	103
<b>shrinkage</b>	t = 4	%	0.4
<b>Coefficient of Thermal Expansion</b>	TMA	/°C	1.1×10 <sup>-4</sup>

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