

## **Pel-Urethane<sup>®</sup>**

<b>Product Name</b>	MU-854A/MU-852B
<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-854A	MU-852B
<b>Appearance</b>	visual	–	Colorless, Cream, Black	Light yellow
<b>Specific Gravity</b>	25°C	–	1.11	1.20
<b>Viscosity</b>	25°C	mPa·s	850	170
<b>Mixing Ratio</b>	parts by weight		100 : 200	
	parts by volume		100 : 185	
<b>Pot Life</b>	25°C, 100 g	min	5	
	35°C, 300 g	min	3	

### Standard Curing Condition

**60°C-1hour or 70°C-30min**

### As cured

Item	Condition	Unit	Typical Value
<b>Appearance</b>	visual	–	White, Cream, Black
<b>Specific Gravity</b>	JIS K-7112 25°C	–	1.23
<b>Hardness</b>	JIS K-7215 25°C	shore D	82
<b>Tensile Strength</b>	JIS K-7162	MPa	58
<b>Tensile Modulus</b>	JIS K-7162	MPa	2,000
<b>Elongation</b>	JIS K-7162	%	15
<b>Flexural Strength</b>	JIS K-7171	MPa	89
<b>Flexural Modulus</b>	JIS K-7171	MPa	2,050
<b>Impact Strength</b>	JIS K-7110 Izod V-notch	KJ/m <sup>2</sup>	17
<b>Load Defoamation Temperature</b>	JIS K-7191 Load 1.8MPa	°C	100
	JIS K-7191 Load 0.45MPa	°C	105
<b>shrinkage</b>	t = 4	%	0.3
<b>Coefficient of Thermal Expansion</b>	TMA	/°C	8.5×10 <sup>-5</sup>

The above values are typical and not specification



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