

## *Pel-Urethane*<sup>®</sup>

<b>Product Name</b>	MU-858A/MU-858B
<b>Product Category</b>	Polyurethane Resin for Prototype Model
<b>Usage</b>	Prototype Models
<b>Function</b>	Flame Resistant (UL-94 V-0)

### As supplied

(Typical Value)

Item	Condition	Unit	MU-858A	MU-858B
<b>Appearance</b>	visual	–	Colorless, Black	Light yellow
<b>Specific Gravity</b>	25°C	–	1.28	1.19
<b>Viscosity</b>	25°C	mPa·s	850	200
<b>Mixing Ratio</b>	parts by weight		100 : 170	
<b>Pot Life</b>	25°C, 100 g	min	5	

### 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	–	White, Black
<b>Specific Gravity</b>	JIS K-7112 25°C	–	1.30
<b>Hardness</b>	JIS K-7215 25°C	shore D	80
<b>Tensile Strength</b>	JIS K-7161	MPa	62
<b>Elongation</b>	JIS K-7161	%	13
<b>Flexural Strength</b>	JIS K-7171	MPa	90
<b>Flexural Modulus</b>	JIS K-7171	MPa	2000
<b>Impact Strength</b>	JIS K-7110 Izod V-notch	kJ/m <sup>2</sup>	10
<b>Load Defoamation Temperature</b>	JIS K-7191 Load 1.8MPa	°C	85
<b>shrinkage</b>	JIS K-7191 Load 0.45MPa	°C	92
	t = 4	%	0.3
<b>Flame Resistance</b>	UL94 File Number E62027	3.0mm	V-0

The above values are typical and not specification



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