

Pel-Urethane[®]

Product Name	MU-862A/MU-862B
Product Category	Urethane Resin for Prototype Model
Usage	Prototype Model
Function	Highly transparent

As supplied

(Typical Value)

Item	Condition	Unit	MU-862A	MU-862B
Appearance	visual	–	Slightly blue transparent	Colorless transparent
Specific Gravity	25°C	–	1.05	1.20
Viscosity	25°C	mPa·s	700	140
Mixing Ratio	parts by weight		100/150	
	parts by volume		100/130	
Pot Life	25°C, 500g	time	5分30秒	

Standard Curing Condition

Liquid temperature: 30°C ~ 40°C

Mold temperature: 60°C ~ 70°C

Cure schedule: 60°C ~ 70°C x 60 minutes

As cured

Item	Condition	Unit	Typical Value
curing condition			60°C x 60minutes
Appearance	visual		Colorless transparent
Specific Gravity	JIS K-7112 25°C		1.21
Hardness	JIS K-7215 25°C	Shore D	75
Tensile Strength	JIS K-7161	MPa	64
Tensile Modulus	JIS K-7161	MPa	2250
Elongation	JIS K-7161	%	17
Flexural Strength	JIS K-7171	MPa	108
Flexural Modulus	JIS K-7171	MPa	2500
Impact Strength	JIS K-7110 Izod V notch	kJ/m ²	11
Load Defoamation Temperature	JIS K-7191 Load 1.8MPa	°C	77
	TMA		75
	thickness=4mm	%	0.4
C.T.E. *1	TMA	/°C	9.3 x 10 ⁻⁵

*1: Coefficient of Thermal Expansion

The above values are typical and not specification.



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