

Pel-Urethane[®]

Product Name	MU-884A/MU-884B
Product Category	Urethane Resin for Prototype Model
Usage	Prototype Model
Function	Heat Resistant

As supplied

(Typical Value)

Item	Condition	Unit	MU-884A	MU-884B
Appearance	visual	—	Colorless semitransparent	Light yellow transparent
Specific Gravity	25°C	—	1.01	1.16
Viscosity	25°C	mPa·s	200	230
Mixing Ratio	parts by weight		100/400	
	parts by volume		100/350	
Pot Life	25°C, 100g	time	4 minutes 45 seconds	

Standard Curing Condition

Liquid temperature: 20°C~30°C
Mold temperature: 70°C
Cure schedule: 70°C x 60 minutes

As cured (70°C - 60分 minutes cure)

Item	Condition	Unit	Typical Value
Appearance	visual		Light brown
Specific Gravity	JIS K-7112 25°C		1.21
Hardness	ASTM D-2240 25°C	Shore D	80
Tensile Strength	JIS K-7113	MPa	47
Tensile Modulus	JIS K-7113	MPa	1224
Elongation	JIS K-7113	%	43
Flexural Strength	JIS K-7171	MPa	60
Flexural Modulus	JIS K-7171	MPa	1200
Impact Strength	JIS K-7110 Izod V ノッチ付き	kJ/m ²	14
Load			105
Defoamation Temperature	JIS K-7191 Load 1.8MPa	°C	120 (after cure 110°C x 60minutes)
			147 (+after cure 130°C x 60minutes)
Shrinkage	thickness=4mm	%	0.5
C.T.E. *1	TMA法	/°C	12.1 x 10 ⁻⁵
Thermal Conductivity		W/mK	0.23

*1: Coefficient of Thermal Expansion

The above values are typical and not specification.



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