

Pel-Urethane®

Product Name	MU-876A-2S/MU-876B
Product Category	Urethane Resin for Prototype Model
Usage	Prototype Model, PP type
Function	Impact Resistant

As supplied

(Typical Value)

Item	Condition	Unit	MU-876A-2S	MU-876B
Appearance	visual	—	Colorless clear, Black	Light yellow clear
Specific Gravity	25°C	—	1.07	1.16
Viscosity	25°C	mPa·s	1,000	220
Mixing Ratio	parts by weight		100/140	
	parts by volume		100/130	
Pot Life	25°C, 100g	time	5分45秒	

Standard Curing Condition

Liqud temperature: 30°C ~ 40°C

Mold temperature: 60°C ~ 70°C

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

As cured

60°C x 60 minutes cure

Item	Condition	Unit	Typical Value
Appearance	visual		White, Black
Specific Gravity	JIS K-7112 25°C		1.18
Hardness	ASTM D-2240 25°C	Shore D	72
Tensile Strength	JIS K-7113	MPa	32
Tensile Modulus	JIS K-7113	MPa	1100
Elongation	JIS K-7113	%	55
Flexural Strength	JIS K-7171	MPa	43
Flexural Modulus	JIS K-7171	MPa	1000
Impact Strength	JIS K-7110	kJ/m ²	16
Load Defoamation Temperature	JIS K-7191 Load 1.8MPa	°C	60
	TMA	°C	76
	thickness=4mm	%	0.4
C.T.E. *1	TMA	/°C	1.3 x 10 ⁻⁴

*1: Coefficient of Thermal Expansion

The above values are typical and not specification.



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