

Pel-Urethane[®]

Product Name	MU-851A/MU-852B
Product Category	Urethane Resin for Prototype Model
Usage	Prototype Model, ABS type
Function	Impact Resistant

As supplied

(Typical Value)

Item	Condition	Unit	MU-851A	MU-852B
Appearance	visual	–	Colorless, Cream, Black	Light yellow transparent
Specific Gravity	25°C	–	1.12	1.19
Viscosity	25°C	mPa·s	750	180
Mixing Ratio	parts by weight		100/200	
	parts by volume		100/190	
Pot Life	25°C, 500g	分	5分	

Standard Curing Condition

Liquid temperature: 30 °C ~ 40 °C

Mold temperature: 60 °C ~ 70 °C

Cure schedule: 60 °C ~ 70 °C x 4 5 minutes

As cured

Item	Condition	Unit	Typical Value
Curing Condition			70°C - 45 minutes
Appearance	visual		White, Cream, Black
Specific Gravity	JIS K-7112 25°C		1.22
Hardness	JIS K-7215 25°C	Shore D	82
Tensile Strength	JIS K-7161	MPa	64
Tensile Modulus	JIS K-7161	MPa	2140
Elongation	JIS K-7161	%	17
Flexural Strength	JIS K-7171	MPa	93
Flexural Modulus	JIS K-7171	MPa	2200
Impact Strength	JIS K-7110 Izod V Notch	kJ/m ²	16
Load Defoamation Temperature	JIS K-7191 Load 1.8MPa	°C	93
	TMA		91
	Thickness=4mm	%	0.3
C.T.E. *1	TMA	/°C	8.8 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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