

Pel-Urethane[®]

Product Name	MU-751A/MU-751B
Product Category	Urethane Resin for Low Pressure RIM
Usage	Low Pressure RIM
Function	Flame Resistant

As supplied

(Typical Value)

Item	Condition	Unit	MU-751A	MU-751B
Appearance	visual	—	Colorless semitransparent	Light yellow transparent
Specific Gravity	25℃	—	1.27	1.16
Viscosity	25℃	mPa·s	2,100	220
Mixing Ratio	parts by weight		100/150	
	parts by volume		100/165	
Pot Life	25℃, 100g	time	125 sesonds	

Standard Curing Condition

Mold temperature: 50℃ ~ 70℃

Cure schedule: 60℃ x 30 minutes

As cured

Item	Condition	Unit	Typical Value
Appearance	visual		White
Specific Gravity	JIS K-7112 25℃		1.25
Hardness	JIS K-7215 25℃	Shore D	82
Tensile Strength	JIS K-7113	MPa	46
Tensile Modulus	JIS K-7113	MPa	1650
Elongation	JIS K-7113	%	30
Flexural Strength	JIS K-7171	MPa	78
Flexural Modulus	JIS K-7171	MPa	1600
Impact Strength	JIS K-7110	kJ/m ²	7
Load Defoamation temperature	JIS K-7191 Load 1.8MPa	℃	90
Shrinkage	thickness=4mm	%	0.4
C.T.E. *1	TMA	/℃	10.3 x 10 ⁻⁵
Flame Resistance	UL-94 3mm thickness		V-0

***1: Coefficient of Thermal Expansion**

The above values are typical and not specification.



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