

Pel-Urethane®

Product Name	MU-703A/MU-703B
Product Category	Urethane Resin for Low Pressure RIM
Usage	Low Pressure RIM
Function	Flame Resistant

As supplied

(Typical Value)

Item	Condition	Unit	MU-703A	MU-703B
Appearance	visual	—	Black	Light yellow transparent
Specific Gravity	25℃	—	1.02	1.19
Viscosity	25℃	mPa·s	1,700	180
Mixing Ratio	parts by weight		100/120	
	parts by volume		100/105	
Pot Life	25℃, 100g	time	60 minutes	

Standard Curing Condition

Cure schedule: 25℃ x 30 minutes or 60℃ x 15 minutes

As cured

Item	Condition	Unit	Typical Value	
Curing Condition			25℃/60minutes	60℃/60minutes
Appearance	visual		Black	
Specific Gravity	JIS K-7112 25℃		1.17	
Hardness	JIS K-7215 25℃		72	
Tensile Strength	JIS K-7113	MPa	36	36
Elongation	JIS K-7113	%	35	33
Flexural Strength	JIS K-7171	MPa	57	48
Flexural Modulus	JIS K-7171	MPa	1400	1000
Impact Strength	JIS K-7110	kJ/m ²	7	9
Load Defoamation temperature	JIS K-7191 Load 1.8MPa	℃	67	95
Shrinkage	Thickness=4mm	%	0.5	0.5
C.T.E. *1	TMA	/℃	12.9 x 10 ⁻⁵	
Thermal Conductivity	Hot wire method	W/mK	0.23	

***1: Coefficient of Thermal Expansion**

The above values are typical and not specification.



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