

Pel-Urethane[®]

Product Name	MU-201A L-TYPE/MU-201B
Product Category	Polyurethane Resin for Electronics
Usage	Substrates
Function	Flexible, Low Stress, Heat Resistant, Stress Release, Shock Absorption

As supplied

(Typical Value)

Item	Condition	Unit	MU-201A L-TYPE	MU-201B
Appearance	visual	–	Black	Brown
Specific Gravity	25°C	–	0.95	1.21
Viscosity	25°C	mPa·s	800	200
Mixing Ratio	parts by weight		100/33	
Mixed Viscosity	25°C	mPa·s	600	
Mixed Specific Gravity	25°C	–	1.00	
Gel Time	60°C	min	45	
Pot Time	25°C, time up to 10Pa.s	min	60	

Standard Curing Condition 60°C-3hour

As cured

Item	Condition	Unit	Typical Value
Hardness	JIS K 7215 25°C	shore A	24
Glass Transition Temp.	TMA	°C	-21
Coefficient of Thermal Expansion	above Tg	/°C	23×10^{-5}
Tensile Strength	JIS K 7312 25°C dumbbell No.2	MPa	1.1
Elongation	JIS K 7312 25°C dumbbell No.2	%	180
Tear Strength	JIS K 7312 25°C	N/mm	4.1
Volume Resistivity	JIS K 6911 25°C	$\Omega \cdot \text{cm}$	5.6×10^{13}
dielectric constant	JIS K 6911 1kHz 100kHz 1MHz	–	5.8 3.6 3.2
dielectric tangent	JIS K 6911 1kHz 100kHz 1MHz	%	19.8 9.9 5.8
Water Absorption	JIS K 6911 boil for 1hr	wt%	0.2
Flame Resistance	UL94	–	Equivalent V-2

The above values are typical and not specification



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