

Pel-Urethane®

Product Name	MU-303A/MU-303B
Product Category	Polyurethane Resin for Electronics
Usage	Substrates
Function	Flexible, Low Stress, Moisture Resistant, Stress Release, Shock Absor

As supplied

(Typical Value)

Item	Condition	Unit	MU-303A	MU-303B
Appearance	visual	—	Black liquid	Brown liquid
Specific Gravity	25°C	—	1.52	1.22
Viscosity	25°C	mPa·s	15,000	180
Mixing Ratio	parts by weight		100/30	
Mixed Viscosity	25°C	mPa·s	2,900	
Mixed Specific Gravity	25°C	—	1.43	
Gel Time	60°C	minute	30	
Pot Life	25°C, time up to 10Pa.s	minute	30	

Standard Curing Condition : 60°C – 3 hours or 25°C – 12 hours

As cured

Item	Condition	Unit	Typical Value
Hardness	JIS K-7215	Shore D	82
Glass Transition Temp.	TMA	°C	70
C.T.E. *1	Tg以下	/°C	6.5×10^{-5}
Flexural Strength	JIS K-7171	MPa	48
Flexural Modulus	JIS K-7171	MPa	1900
Volume Resistivity	JIS K-6911 25°C	$\Omega \cdot \text{cm}$	3.0×10^{15}
Dielectric Constant	JIS K-6911 100KHz		4.2
Dielectric Loss Tangent	JIS K-6911 100KHz	%	1.1
Breakdown Voltage	JIS C-2110	kV/mm	26
Water Absorption	JIS K-6911 23°C 24hrs	wt%	0.13
Tracking Resistance	IEC60112 22°C 51%RH	V	> 600

*1: Coefficient of Thermal Expansion

The above values are typical and not specification.



Tokyo Sales Office

3-7-2, Nihonbashi-Honcho, Chuo-ku, Tokyo, 103-0023, Japan

TEL : 81-3-5645-3782 FAX : 81-3-5645-3784

R&D Center

8-7, Bodai, Hadano-shi, Kanagawa, 259-1302, Japan

TEL : 81-463-86-8001 FAX : 81-463-86-8022