

Pel-Urethane®

Product Name	MU-636A/MU-636B LV
Product Category	Urethane Elastomer
Usage	Seal Doming
Function	Weatherability, Non Yellowish

As supplied

(Typical Value)

Item	Condition	Unit	MU-636A	MU-636B LV
Appearance	visual	—	Colorless~ Light yellow clear	Colorless~ Light yellow clear
Specific Gravity	25°C	—	1.09	1.14
Viscosity	25°C	mPa·s	1,300	600
Mixing Ratio	parts by weight		100/100	
	parts by volume		100/96	
Mixed Viscosity	25°C	mPa·s	950	
Pot Life	25°C, cup, 100g	minute	60~75	
	40°C, cup, 100g	minute	30	
Gel Time	room temp., cup, 100g	hour	1.5	
	room temp., 2~3mm sheet	hour	6~8	
Tackfree Time	room temp., cup, 100g	hour	2	
	room temp., 2~3mm sheet	hour	8~12	

As cured

Item	Condition	Unit	Typical Value
Appearance	visual		Colorless transparent
Hardness	JIS K-7215	Shore A	85
Glass Transition Temp.	TMA	°C	-4.8
Coefficient of Thermal Expansion	below Tg	/°C	9.3×10^{-5}
	above Tg	/°C	1.9×10^{-4}
Tensile Strength	JIS K-7312 2mmt dumbbell No.2	MPa	15
Elongation	JIS K-7312 2mmt dumbbell No.2	%	150 - 200
Tear Strength	JIS K-7312 2mmt Angle type	N/mm ²	20
Dielectric Constant	JIS K-6911 1kHz 100kHz 1MHz		5.97 3.55 4.08
Dielectric Loss Tangent	JIS K-6911 1kHz 100kHz 1MHz	%	14.6 9.52 6.87

The above values are typical and not specification.

Weatherability	Xenon Weather Meter Test Condition: Illumination 60W/m ² 、Black pannel temp.63°C、Humidity 50%RH Appearance, Refractive Index and Haze after 2000hours: almost no change
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