



導熱材料

Thermal Conductivity Material

導熱矽膠材PMP-P-300A物理特性表
General Physical Properties For PMP-P-300A

PMP-P-300A材料：玻璃纖維布+軟導熱膠(Soft Thermal Conductivity Silicone +Fiberglass)

Item	Unit	Value	Test method
Construction	-	PMP-P-300A/PMP- P-400 Silicone/Fiberglass	
Thickness	mm	0.5~6.0	
Color		All	
Continuous Use Temp	°C	-40°C~200°C	TGA+DMA
Thermal Conductivity	W/m-K	1.3	ASTM E 1530
Volume Resistivity	Ω -cm	10^{15} ↑	ASTM D 257
Breakdown Voltage	KV	8 ↑	ASTM D 149
Hardness (Shore A)		10/70±5°	ASTM D 2240
Specific Gravity		2.2	ASTM D 729
Tensile Strength	Kg/cm ²	35	ASTM D 412
Elongation	%	3.5	ASTM D 412
Dielectric Constant(ϵ)	60 Hz	5.9	ASTM D 150
	1 KHz	5.3	
	1 MHz	4.9	
Dielectric Dissipation Factor ($\tan \delta$)	60 Hz	0.098	ASTM D 150
	1 KHz	0.039	
	1 MHz	0.009	
UL NO:		E153203(PMP-P-300)	
Flammability		V-0	UL-94

QMFZ2.
Plastics - Component

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PIONEER CONDUCTOR RUBBER INDUSTRY CO LTD

E153203

WU KU INDUSTRIAL PARK, 4TH FL 99 WU KONG RD HSIN
CHUANG, TAIPEI HSIEN TAIWAN

Material Dsg	Color	Min Thk mm	Flame Class	H I	H A	Elec	RTI Imp	Mech Str	H V T R	D 4 9 5	C T I
Silicone Molding Resin (SIR), conductive, furnished as sheets, tape, vulcanized parts.											
PMP-P-300	ALL	0.50	V-0	—	—	150	150	150	—	—	—
	ALL	1.0	V-0	2	0	150	150	150	—	—	—
	ALL	3.0	V-0	2	0	150	150	150	0	3	0
	NC, BK	5.8	V-0	1	0	150	150	150	—	—	—