



導熱材料

Thermal Conductivity Material

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

PMP-P-300C材料：高導熱軟導熱膠 (Soft High Thermal Conductivity Silicone)

Item	Unit	Value	Test method
Thickness	mm	0.3~6.0	
Color		All	
Continuous Use Temp	°C	-40°C~200°C	TGA+DMA
Thermal Conductivity	W/m-K	2.8	ASTM E 1530
Volume Resistivity	Ω-cm	10 ¹⁵ ↑	
Breakdown Voltage	KV	4 ↑	ASTM D 149
Hardness (Shore A)		20±5°	ASTM D 2240
Specific Gravity		2.5	ASTM D 729
Tensile Strength	Kg/cm ²	2	ASTM D 412
Elongation	%	60	ASTM D 412
Dielectric Constant(ε)	60 Hz	6.3	ASTM D 150
	1 KHz	5.7	
	1 MHz	5.3	
Dielectric Dissipation Factor (tan δ)	60 Hz	0.033	ASTM D 150
	1 KHz	0.031	
	1 MHz	0.021	
UL NO:		E153203(PMP-P-300)	
Flammability		V-0	UL-94

QMF22.

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Plastics - Component

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	—	—	—