



PIG series Thermal Grease

PolyGore PIG series of organic silicone products with outstanding thermal conductivity and dielectric properties, excellent operation, no oil separation, high temperature minimum weight loss characteristics, these high performance oil products through special design can effectively solve the problem of high frequency, high power electrical and electronic without increasingly miniaturization resulting heat conduction problem
PolyGore PIG 系列有机硅油产品具有突出的导热性和介电性能，优异的操作性，无油分离现象，高温下最小限度的重量损失等特征，这些高性能油脂产品经过专门设计能有效解决高频率，高功率和电子电气无器日益小型化产生的导热问题

- 主要特征：
- Excellent operability - particularly applicable to automatic dispensing, screen printing and embossing

优良的操作性-特别适用于自动点胶，丝网印刷和压印

High thermal conductivity 高性能导热系数

The wide use of temperature of - 50 C to + 300 C 很宽的使用温度 -50℃ 到 +300℃

Low oil separation and minimal temperature weight loss 低油分离性和最小限度的高温重量损失

Minimal ion and excellent dielectric properties 最小限度的离子和优异的介电性能

Product		Unit	PIG830	PIG826	PIG818	PIG816	remark
Appearance	颜色		Gray	Gray	White	White	
Specific Gravity	比重	Mg/m3 (23deg C)	2.89	2.8	1.8	2.4	
Thermal Conductivity ①	导热系数	W/mK	4.1	2.6	1.8	1.6	
Thermal Resistance	热阻	°C-in2/W	< 0.027	< 0.072	< 0.125	< 0.15	
		BLT (um)	30	25	8	8	
Penetration ②	针入度	(23deg C)	310	250	300	300	
Viscosity	粘度	Pas	300	400	280	280	
Bleed ③	渗出	(150C X 24h) %	< 0.1	< 0.1	< 0.1	< 0.1	
Evaporation	蒸发	(150C X 24h)%	< 0.3	< 0.1	< 0.1	< 0.1	
Volume resistivity ④	体积电阻率	(MΩm)	1x104	1x107	1x107	1x107	
Dielectric strength	介电强度	(KV/0.25mm)	4.5	5	5	5	
Volatile siloxane	挥发性硅烷含量	(D4-10) ppm	30	20	20	20	
Na, K, Cl (Ionic Content)	离子杂质含量	ppm	< 0.5	< 2	< 2	< 2	
Temperature	工作温度	°C	300 to -40	300 to -40	300 to -40	300 to -40	

*1 Laser lash analysis *2 Bulk sample measurement (hot wire method) *3 JIS K 6249*4 JIS K 2220

Instructions for Use

- ☐ Wear eye protection and protective gloves as required when
- ☐ Use in a well ventilated use
- ☐ Keep out of the reach of children.
- ☐ Store in a dark, cool place out of direct sunlight

Commercial Status

This is an experimental product only.

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