



酚醛樹脂成型材料



UL File: E59481
Form : Granular
Storage Life : 1 Year

Phenolic Molding Compound

PMC – T310

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技術資料(Technical Information)

品質特性表(properties)

測試項目 (Test Items)		測試方法 (Test method)	代表值 (typical value)	
品 級(Grade)		JIS	T310	Unit
一般特性 (Physical properties)	比重 Specific Gravity	K7112	1.53	---
	吸水率 Water Absorption(N)	K6911	0.15	%
	收縮率 Molding Shrinkage	K6915	0.85	%
機械特性 (Mechanical properties)	夏式衝擊強度 Charpy Impact	K7111	4.5	Kgf/cm
	曲折強度 Flexural Strength	K7203	12.5	kgf/mm ²
	引張強度 Tensile Strength	K6911	7.0	kgf/mm ²
	熱變形溫度 Temp. of deflection	K7207	190	°C
電氣特性 (Electrical properties)	耐電壓 Dielectric Strength	K6915	13	KV/mm
	常態絕緣 Insulation Res.(N)	K6915	10 ¹¹	Ohm
	煮沸絕緣 Insulation Res.(B)	K6915	5*10 ⁹	Ohm
UL 相關	UL 94 耐燃		3.0	mm/V-0
	CTI 耐電蝕		3	---
	耐電弧		5	---
	相對熱指數		150	°C

上述特性值為典型值非保證值。

The above values of properties are typical value , not guaranteed.

產 品 描 述 (Product description)

酚醛成型材料，無機/有機材填充，耐熱性佳，機械強度佳

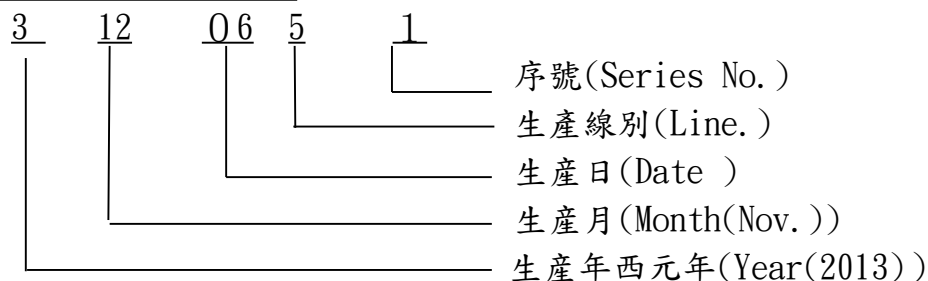
Phenolic moulding compound, inorganically filled, organically filled, good heat resistant, good mechanical properties.

用 途 (Application area)

耐熱、耐燃電氣部品、耐燃電氣機器部品、家庭耐熱器具部品

Commutators 、heat resistant cab-insulator 、thermal insulators 、high impact molded parts

批 號 定 義 (Lot No.)



建 議 成 形 條 件 (Recommended Moulding Condition)

壓縮/移送成型 (compression/trasfor)

模溫 Mould temperature	150-180℃
硬化時間 Curing time(sec/mm)	10 - 20
模腔壓力 Cavity molding pressure	>20MPA
預熱料溫 Temperature of heating	80 - 100℃

射出成型 (Injection)

料管溫度(Barrel Temp.)	85 ± 10 °C
模具溫度(Mold Temp.)	175 ± 15 °C
背壓(Back Pressure)	Under 10 kgf/cm ²

保 存 條 件 Storage Condition

儲存溫度 Storage Temperature	25 ± 10 °C
儲存濕度 Storage Humidity	40 - 60 % RH
儲存時間 Storage Life	12 months

包 裝 Packaging

紙袋包裝 25kg (25 kg/ paper bag)