

LONGLITE

酚醛樹脂成型材料

CCP

Phenolic Molding Compound

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

PMC – T651C

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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)		ASTM	JIS	Value	Unit
一般特性 (Physical properties)	比重 Specific Gravity	D792	K7112	1.80	---
	吸水率 Water Absorption(N)	D570	K6911	0.05	%
	收縮率 Molding Shrinkage	D955	K6915	0.25	%
機械特性 (Mechanical properties)	夏式衝擊強度 Charpy Impact	D256	K7111	6.5	Kgf/cm
	曲折強度 Flexural Strength	D790	K7203	200	MPa
	引張強度 Tensile Strength	D638	K6911	100	MPa
	壓縮強度 compressive Strength	D695	K6911	220	MPa
	熱變形溫度 Temp. of deflection	D648	K7207	210	°C
電氣特性 (Electrical properties)	耐電壓 Dielectric Strength	D149	K6915	11	KV/mm
	常態絕緣 Insulation Res. (N)	D257	K6915	10 ¹²	Ohm
	煮沸絕緣 Insulation Res. (B)	D257	K6915	10 ¹¹	Ohm
	體積阻抗 Volume Res.	D257	K6911	10 ¹²	Ohm-cm
UL 相關	耐燃 UL 94			1.6	mm/V-0
	耐電蝕 CTI			3	---
	耐電弧 ARC			5	---
	相對熱指數 RTI			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，無機材填充，玻纖補強材，耐熱性佳，機械強度佳，高溫尺寸安定性佳。

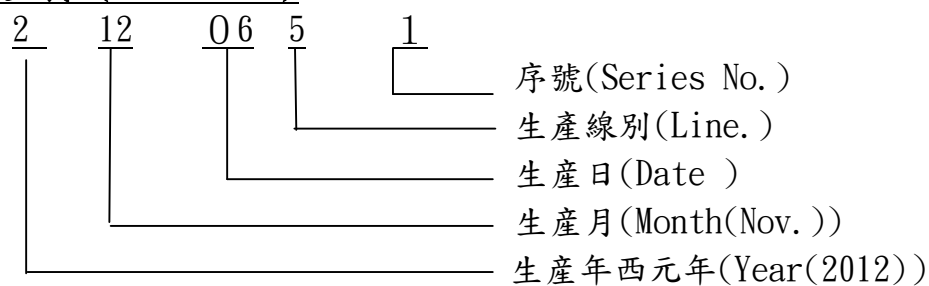
Phenolic moulding compound, inorganically filled, glass fiber reinforced, high heat resistant, good mechanical properties, dimensional stability at high temperature.

用 途 (Application area)

整流子/換向器，汽車滑輪及汽車/電機耐熱、尺寸部品。

Commutator, pulley, parts of electrical.

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)	15 - 30
模腔壓力 Cavity molding pressure	>30MPa
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 ± 10 °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 装 Packaging

纸袋包装 25kg (25 kg/ paper bag)