

**LONGLITE****Modified Phenolic Molding Compound****CCP**

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

**改性酚醛樹脂成型材料**

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**PMC – T383J**

*PMC-T383J Black Modified Phenolic is a two-stage, general purpose molding material offering excellent mold process-ability and optimized Cure cycles.*

*Typical applications include cookware handles and knobs, etc.*

| Typical Physical Properties<br>(測試項目) |                               | Method<br>(測試方法) |       | Typical Data<br>(代表值) |            |
|---------------------------------------|-------------------------------|------------------|-------|-----------------------|------------|
| Grade                                 |                               | ASTM             | JIS   | Value                 | Unit       |
| <b>General</b><br>(一般)                | Specific Gravity(比重)          | D792             | K7112 | 1.43                  | ---        |
|                                       | Water Absorption(吸水率)         | D570             | K6911 | 0.4                   | %          |
|                                       | Molding Shrinkage(收縮率)        | D955             | K6915 | 1.3                   | %          |
| <b>Mechanical</b><br>(機械特性)           | Charpy Impact(夏式衝擊強度)         | D256             | K7111 | 3.5                   | Kgf cm/cm2 |
|                                       | Izod Impact((艾式衝擊強度)          | D256             | K6911 | 3.0                   | Kgf cm/cm  |
|                                       | Flexural Strength(曲折強度)       | D790             | K7203 | 9.0                   | Kgf/mm2    |
|                                       | Tensile Strength(引張強度)        | D651             | K6911 | 5.5                   | Kgf/mm2    |
|                                       | Compressive Strength(壓縮強度)    | D695             | K6911 | 20                    | Kgf/mm2    |
|                                       | Deflection Temp.(熱變形溫度)       | D648             | K7207 | 155                   | °C         |
| <b>Electrical</b><br>(電氣特性)           | Dielectric Strength(耐電壓)      | D149             | K6915 | 9                     | KV/mm      |
|                                       | Insulation Resistance-N(常態絕緣) | D257             | K6915 | 10 <sup>10</sup>      | Ohm        |
|                                       | Insulation Resistance-B(煮沸絕緣) | D257             | K6915 | 10 <sup>8</sup>       | Ohm        |
|                                       | Volume Resistivity(體積阻抗)      | D257             | K6911 | 10 <sup>12</sup>      | Ohm-cm     |
| <b>UL File</b><br>(UL 相關)             | UL 94 Flame Class(耐燃)         |                  |       | 6.0                   | mm/V-0     |
|                                       | CTI PLC Level(耐電蝕)            |                  |       | 4                     | ---        |
|                                       | D495 PLC Level(耐電弧)           |                  |       | 6                     | ---        |
|                                       | RTI(相對熱指數)                    |                  |       | 150                   | °C         |

*The typical values listed are results obtained from the testing of standard specimens using the stated test procedures, with said specimens molded under controlled laboratory conditions from representative samples of the product* Ver.1<sup>st</sup> /2012