

# LONGLITE® PMC T308J

Phenolic

CCP Group

## Message:

PMC-T308J Black 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, Houseware appliance parts, etc.

| General Information                                     |                      |                   |                      |
|---------------------------------------------------------|----------------------|-------------------|----------------------|
| UL YellowCard                                           | E59481-246753        |                   |                      |
| Features                                                | Fast Cure            |                   |                      |
|                                                         | General Purpose      |                   |                      |
|                                                         | Good Moldability     |                   |                      |
| Uses                                                    | Household Goods      |                   |                      |
|                                                         | Normal Oven Cookware |                   |                      |
| UL File Number                                          | E59481               |                   |                      |
| Appearance                                              | Black                |                   |                      |
| Forms                                                   | Granules             |                   |                      |
| Processing Method                                       | Injection Molding    |                   |                      |
| Physical                                                | Nominal Value        | Unit              | Test Method          |
| Specific Gravity                                        | 1.45                 | g/cm <sup>3</sup> | ASTM D792, JIS K7112 |
| Molding Shrinkage                                       | 1.3                  | %                 | JIS K6915, ASTM D955 |
| Water Absorption                                        |                      |                   |                      |
| 24 hr                                                   | 0.40                 | %                 | ASTM D570            |
| 23°C, 24 hr                                             | 0.40                 | %                 | JIS K6911            |
| Mechanical                                              | Nominal Value        | Unit              | Test Method          |
| Tensile Strength                                        | 56.0                 | MPa               | ASTM D638, JIS K6911 |
| Flexural Strength                                       | 95.0                 | MPa               | ASTM D790, JIS K7203 |
| Compressive Strength                                    | 200                  | MPa               | ASTM D695, JIS K6911 |
| Impact                                                  | Nominal Value        | Unit              | Test Method          |
| Charpy Impact Strength                                  |                      |                   |                      |
| --                                                      | 3.2                  | kN/m              | ASTM D256            |
| --                                                      | 3.2                  | kN/m              | JIS K7111            |
| Izod Impact                                             |                      |                   |                      |
| --                                                      | 2.8                  | kN/m              | ASTM D256            |
| --                                                      | 2.8                  | kN/m              | JIS K6911            |
| Shelf Life                                              | 12                   | month             |                      |
| Thermal                                                 | Nominal Value        | Unit              | Test Method          |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 160                  | °C                | ASTM D648, JIS K7207 |

| RTI Elec                         | 150           | °C      | UL 746               |
|----------------------------------|---------------|---------|----------------------|
| RTI Imp                          | 150           | °C      | UL 746               |
| RTI Str                          | 150           | °C      | UL 746               |
| Electrical                       | Nominal Value | Unit    | Test Method          |
| Volume Resistivity               | 1.0E+11       | ohms·cm | ASTM D257, JIS K6911 |
| Dielectric Strength              | 9.0           | kV/mm   | ASTM D149, JIS K6915 |
| Arc Resistance                   | PLC 6         |         | ASTM D495            |
| Comparative Tracking Index (CTI) | PLC 3         |         | UL 746               |
| Insulation Resistance            |               |         |                      |
| -- 1                             | 1.0E+10       | ohms    | ASTM D257            |
| -- 2                             | 1.0E+10       | ohms    | JIS K6915            |
| -- 3                             | 1.0E+8        | ohms    | ASTM D257            |
| -- 4                             | 1.0E+8        | ohms    | JIS K6915            |
| Flammability                     | Nominal Value | Unit    | Test Method          |
| Flame Rating (3.00 mm)           | V-0           |         | UL 94                |
| NOTE                             |               |         |                      |
| 1.                               | (N)           |         |                      |
| 2.                               | (N)           |         |                      |
| 3.                               | (B)           |         |                      |
| 4.                               | (B)           |         |                      |

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