

## Chang Chun Plastic Longlite PM T375J Heat Resistant Phenolic Molding Compound

Category : Polymer , Thermoset , Phenolic , Phenolic; Unreinforced; Molded

### Material Notes:

ASTM Grade per ASTM D700 is 13. Information provided by Dowell Trading Company Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Chang-Chun-Plastic-Longlite-PM-T375J-Heat-Resistant-Phenolic-Molding-Compound.php](http://www.lookpolymers.com/polymer_Chang-Chun-Plastic-Longlite-PM-T375J-Heat-Resistant-Phenolic-Molding-Compound.php)

| Physical Properties   | Metric       | English                   | Comments               |
|-----------------------|--------------|---------------------------|------------------------|
| Density               | 1.52 g/cc    | 0.0549 lb/in <sup>3</sup> | ASTM D792              |
| Water Absorption      | 0.20 %       | 0.20 %                    | ASTM D570              |
| Linear Mold Shrinkage | 0.0050 cm/cm | 0.0050 in/in              | Compression; ASTM D955 |
|                       | 0.0070 cm/cm | 0.0070 in/in              | Transfer; ASTM D955    |
|                       | 0.0095 cm/cm | 0.0095 in/in              | Injection; ASTM D955   |

| Mechanical Properties      | Metric                  | English                    | Comments  |
|----------------------------|-------------------------|----------------------------|-----------|
| Tensile Strength, Ultimate | 55.0 MPa                | 7980 psi                   | ASTM D651 |
| Flexural Yield Strength    | 83.0 MPa                | 12000 psi                  | ASTM D790 |
| Compressive Yield Strength | 193 MPa                 | 28000 psi                  | ASTM D695 |
| Izod Impact, Notched       | 0.250 J/cm              | 0.468 ft-lb/in             | ASTM D256 |
| Charpy Impact, Notched     | 0.290 J/cm <sup>2</sup> | 1.38 ft-lb/in <sup>2</sup> | ASTM D256 |

| Thermal Properties                          | Metric              | English              | Comments                               |
|---|---------------------|----------------------|--|
| Maximum Service Temperature, Air            | 200 °C              | 392 °F               | Two Hour Heat Resistance per ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 180 °C              | 356 °F               | ASTM D648                              |
| Flammability, UL94                          | V-0                 | V-0                  |  |
|   | @Thickness 0.790 mm | @Thickness 0.0311 in |  |

| Electrical Properties  | Metric          | English         | Comments                 |
|------------------------|-----------------|-----------------|--------------------------|
| Electrical Resistivity | 1.00e+13 ohm-cm | 1.00e+13 ohm-cm | ASTM D257                |
| Insulation Resistance  | 1.00e+9 ohm     | 1.00e+9 ohm     | After Boiling; ASTM D257 |

| Electrical Properties      | 1.00e+11 ohm<br>Metric | 1.00e+11 ohm<br>English | Normal: ASTM D257<br>Comments |
|----------------------------|------------------------|-------------------------|-------------------------------|
| Dielectric Strength        | 13.8 kV/mm             | 351 kV/in               | ASTM D149                     |
| Arc Resistance             | 150 sec                | 150 sec                 | ASTM D495                     |
| Comparative Tracking Index | 100 - 175 V            | 100 - 175 V             | UL PLC 4                      |

## Contact Songhan Plastic Technology Co.,Ltd.

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