

## Kazanorgsintez 102-03K Cable Composition Based on Low Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Wire/Cable Grade

### Material Notes:

Production Method: Produced in the form of pellets (natural or black colored) on the bases of basic 10204-003, 15303-003, 15313-003.

Application: Designed to apply isolation, cable covers and cable shielding by extrusion method. Information Provided by Kazanorgsintez

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kazanorgsintez-102-03K-Cable-Composition-Based-on-Low-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_Kazanorgsintez-102-03K-Cable-Composition-Based-on-Low-Density-Polyethylene.php)

| Physical Properties                   | Metric                                | English                               | Comments |
|---------------------------------------|---------------------------------------|---------------------------------------|----------|
| Density                               | 0.9185 - 0.924 g/cc                   | 0.03318 - 0.0334 lb/in <sup>3</sup>   |          |
| Environmental Stress Crack Resistance | >= 500 hour                           | >= 500 hour                           |          |
| Melt Flow                             | 0.21 - 0.39 g/10 min<br>@Load 21.6 kg | 0.21 - 0.39 g/10 min<br>@Load 47.6 lb | Â±8%     |

| Mechanical Properties   | Metric      | English     | Comments |
|-------------------------|-------------|-------------|----------|
| Tensile Strength, Yield | >= 9.80 MPa | >= 1420 psi |          |
| Elongation at Break     | >= 600 %    | >= 600 %    |          |
| Tear Strength Test      | >= 13.7     | >= 13.7     | MPa      |

| Thermal Properties               | Metric                        | English                          | Comments |
|----------------------------------|-------------------------------|----------------------------------|----------|
| Maximum Service Temperature, Air | >= 200 Â°C<br>@Time >=900 sec | >= 392 Â°F<br>@Time >=0.250 hour |          |

| Electrical Properties | Metric                              | English                             | Comments                                      |
|-----------------------|-------------------------------------|-------------------------------------|---|
| Dielectric Constant   | <= 2.3<br>@Frequency 1000 Hz        | <= 2.3<br>@Frequency 1000 Hz        |   |
| Dielectric Strength   | >= 40.0 kV/mm<br>@Frequency 50.0 Hz | >= 1020 kV/in<br>@Frequency 50.0 Hz | Sample of 1 mm thickness, Alternating current |
| Dissipation Factor    | <= 0.00030<br>@Frequency 1000 Hz    | <= 0.00030<br>@Frequency 1000 Hz    |   |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
|------------------------|-------|----------|

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| Amount of Impurities (pcs)<br>Descriptive Properties | 15<br>Value | Premium Quality<br>Comments |
|--|-------------|-----------------------------|
|  | 3           | Superior Quality            |

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## Contact Songhan Plastic Technology Co.,Ltd.

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