

## Kazanorgsintez 153-16 Composition of Low Density Polyethylene, Crack-Proof

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

**Material Notes:**

Production Method: Composition is achieved on the basis of grades 10204-003, 15303-003, 10703-020 and formulas of additives 15, 16, 17, 18, 19, 20, 21, 22, and 23. Application: Intended for production of wire and cable core insulation. Information Provided by Kazanorgsintez

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kazanorgsintez-153-16-Composition-of-Low-Density-Polyethylene-Crack-Proof.php](http://www.lookpolymers.com/polymer_Kazanorgsintez-153-16-Composition-of-Low-Density-Polyethylene-Crack-Proof.php)

| Physical Properties                   | Metric               | English                            | Comments |
|---------------------------------------|----------------------|------------------------------------|----------|
| Density                               | 0.918 - 0.924 g/cc   | 0.0332 - 0.0334 lb/in <sup>3</sup> |          |
| Environmental Stress Crack Resistance | >= 200 hour          | >= 200 hour                        | in OZ-10 |
| Melt Flow                             | 0.20 - 0.50 g/10 min | 0.20 - 0.50 g/10 min               |          |

| Mechanical Properties   | Metric      | English     | Comments |
|-------------------------|-------------|-------------|----------|
| Tensile Strength, Yield | >= 8.83 MPa | >= 1280 psi |          |
| Elongation at Break     | >= 500 %    | >= 500 %    |          |

| Electrical Properties | Metric                           | English                          | Comments |
|-----------------------|----------------------------------|----------------------------------|----------|
| Dielectric Constant   | <= 2.4<br>@Frequency 1000 Hz     | <= 2.4<br>@Frequency 1000 Hz     |          |
| Dielectric Strength   | 40.0 kV/mm                       | 1020 kV/in                       |          |
| Dissipation Factor    | <= 0.00070<br>@Frequency 1000 Hz | <= 0.00070<br>@Frequency 1000 Hz |          |

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