

Kazanorgsintez 102-15 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-102-15-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 ³ | |
| 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 @Frequency 1000 Hz | <= 2.4 @Frequency 1000 Hz | |
| Dielectric Strength | 40.0 kV/mm | 1020 kV/in | |
| Dissipation Factor | <= 0.00070 @Frequency 1000 Hz | <= 0.00070 @Frequency 1000 Hz | |

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