

Kazanorgsintez 107-42 Compositions of Conductive and Semi-Conductive Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Production Method: Based on high pressure polyethylene grade 10703-020 or based on cable compositions grades 107-09K, and 107-10K.

Application: Designed for production of special cables. Information Provided by Kazanorgsintez

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kazanorgsintez-107-42-Compositions-of-Conductive-and-Semi-Conductive-Polyethylene.php

| Physical Properties | Metric | English | Comments |
|----------------------|----------------------------|----------------------------|----------|
| Volatiles | <= 0.15 % | <= 0.15 % | |
| | @Temperature 195 - 205 Â°C | @Temperature 383 - 401 Â°F | |
| Carbon Black Loading | >= 25 % | >= 25 % | |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|----------|----------|----------|
| Elongation at Break | >= 100 % | >= 100 % | |
| Tear Strength Test | >= 6.86 | >= 6.86 | MPa |

| Thermal Properties | Metric | English | Comments |
|-------------------------|-----------|-----------|----------|
| Brittleness Temperature | -50.0 Â°C | -58.0 Â°F | |

| Electrical Properties | Metric | English | Comments |
|-----------------------|---------------|---------------|----------|
| Volume Resistivity | <= 500 ohm-cm | <= 500 ohm-cm | |

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