

js-link KDC- 7050BK

XLPE Outer Semiconductive Compound

js-link KDC-7050BK is a Semiconductive compound for strippable insulation shielding of medium voltage polyethylene insulated cable.

| Property | Unit | Spec | Test Method | Test Result |
|---|-------------------|----------------------------|-------------|-----------------------|
| Physical Form | | | | Pellet |
| Density at 23°C | g/cm ² | 1.00-1.20 | ASTM D1505 | 1.15 |
| Tensile Strength before Aging | N/mm ² | 12.5 min. | ASTM D638 | 16 |
| Elongation before Aging | % | 250 min. | ASTM D638 | 298 |
| Retention of Tensile Strength(136°C x 168H) | % | 85 min. | ASTM D638 | 95 |
| Retention of Elongation (136°C x 168H) | % | 80 min. | ASTM D638 | 94 |
| DC Volume Resistivity | | | ASTM D991 | |
| 23°C | ohm·cm | 5.0 x 10 ³ max. | | 4.4 x 10 ¹ |
| 90°C | ohm·cm | 5.0 x 10 ⁴ max. | | 4.8 x 10 ² |
| Heat Deformation (121°C x 2kg) | % | 25 max. | JIS C3005 | 18 |
| Brittleness Temperature | °C | -30°C No Crack | ASTM D746 | No Crack |
| Stripping Force | N/12.7mm width | 25-50 max. | ASTM D903 | 26 |

1. Compression molded sample cured at 175°C for 15 minute.

2. Processing conditions :

- Extrusion Temperature : 100 - 130°C
- Cure Temperature : 320 - 390°C

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