

Dr. Dietrich Müller GmbH, Zeppelinring 18, D-26197 Ahlhorn

Electrical Insulation Material

Flexiso[®] PET FI 13000

Structure: Flexiso[®] PET FI 13000 is a Polyethylenterephalate manufactured Electrical Insulation Film and is used as insulation material up to and including insulation class B (130°C).

Characteristics: Flexiso[®] PET FI 13000 is puncture and tear resistant, dimensionally stable and has excellent electrical properties. This material has good heat and cold resistance to the commonly used solvents.

Application: Flexiso[®] PET FI 13000 is used as intermediate and top layer insulation in transformers, chokes and relay coils. Furthermore Flexiso[®] PET FI 13000 is used as slot and phase insulation, slot closures and slot covers as well as insulation layers in electrical equipment and as base material for electrical insulating adhesive tape.

Standard Color: Flexiso[®] PET FI 13000 is manufactured in a transparent (to milky white) condition as standard.

Form of Supply: Flexiso[®] PET FI 13000 is available on rolls (up to ca. 1000 mm), as Tapes (from 6 mm wide), as Feathered Tapes and as Adhesive Tapes. Other formats, blanks, die-cut and formed parts are manufactured to customer specifications, also available as self-adhesive on request.

Stand Juli 2011

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info@mueller-ahlhorn.com | www.mueller-ahlhorn.com | Sitz der Gesellschaft: Ahlhorn
Geschäftsführer: Heinz-Jürgen Siebert | AG Oldenburg: HRB 209026 | Ust. ID-Nr.: DE 295969093
St.-Nr.: 68/207/07677 | Zertifiziert nach DIN EN ISO 9001:2008 | UL anerkannter Repacker E341377

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- Elektroisolierstoffe
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Storage Conditions: Flexiso® PET FI 13000 has an unlimited shelf life, when stored under normal conditions (20 °C, 50% RH).

| Properties | Norm | Unit | Value | | | | | |
|-------------------|---------------|--------------------|-------|-------|-------|-------|-------|-------|
| | | | 25 | 50 | 125 | 190 | 250 | 300 |
| Total Thickness | ASTM D 882 | µm | ± 12% | ± 12% | ± 12% | ± 12% | ± 12% | ± 12% |
| Area Weight | ASTM D 882 | g/m ² | 32 | 70 | 175 | 265 | 350 | 418 |
| Area Yield | ASTM D 882 | m ² /kg | 31 | 14 | 5.7 | 3.8 | 2.9 | 2.4 |
| Tensile Strength: | | | | | | | | |
| MD | ASTM | N/mm ² | ≥210 | ≥190 | ≥180 | ≥190 | ≥190 | ≥190 |
| CMD | D 882 | | ≥230 | ≥210 | ≥200 | ≥220 | ≥200 | ≥200 |
| Elongation: | | | | | | | | |
| MD | ASTM | % | ≥130 | ≥140 | ≥150 | ≥190 | ≥210 | ≥210 |
| CMD | D 882 | | ≥110 | ≥120 | ≥130 | ≥140 | ≥170 | ≥180 |
| Shrinkage | | | | | | | | |
| MD | ASTM | % | ≤1.3 | ≤1.2 | ≤1.1 | ≤1.3 | ≤1.3 | ≤1.3 |
| CMD | D 882 | | ≤1.0 | ≤1.1 | ≤1.0 | ≤1.3 | ≤1.3 | ≤1.3 |

Trademark information: Flexiso® is a registered trademark of Dr. Dietrich Müller GmbH, Germany.

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Information:

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