COATS
gotex mct

MICA TAPE

Coats® Gotex MCT

This band-shaped electrical and thermal insulation material, consists of high heat-resistant mica bonded to supporting materials of non-alkaline glass fibre fabric or polyethylene film, impregnated with high temperature resistant silicone resin. MCT tapes are an ideal solution for making fire resistant wires and cable. They have outstanding charasteristics and are designed to meet the individual requirements of users in telecommunications, and other cables which have to meet high performance levels.

WHY CHOOSE COATS GOTEX MCT?

Mica Features

- Exceptional high dielectric strength at high temperature
- High fire resistance
- High tensile strength compared with another similar products
- Strong resistance to radiation, acid and alkalis
- Excellent flexibility

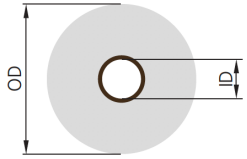
Mica Packaging

- Exceptional Wide range of widths
- Tailored roll lengths, following your specific needs
- Several standard cores
- All products are delivered with test certificate of properties

PRODUCT DETAILS

Available tape width	Rolls length	Standard cores (ID)	Fire resistance
From 5 to 1000 (mm)	300 - 500 - 1000 - 2000 (m)	76 - 120 (mm)	This product passes the IEC60331:1999 flame resistance test

Ring Sizes:



Coats Gotex MCT

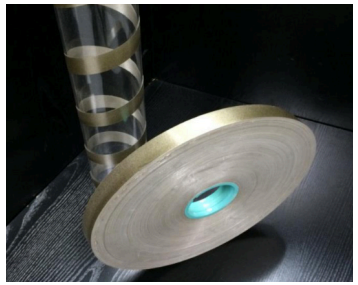
PHLOGOPITE

Fire resistance up to 840°C

PRODUCT RANGE

Product	Thickness mm	Total Substance g/m²	Mica Content g/m²	Glass Content g/m²	Bond Content g/m²	Dielectric Strength Kv/layer	Tensile Strength N/cm
MCT 90	0.090±0.015	125±11	80±5	32±3	13±3	>1.00	>100
MCT 110	0.110±0.015	148±11	100±5	32±3	16±3	>1.20	>120
MCT 125	0.125±0.015	172±11	120±5	32±3	20±3	>1.20	>120
MCT 140	0.140±0.015	216±14	160±8	32±3	24±3	>1.40	>120

The above product range references phlogopite mica tapes. For additional mica tape options, please get in touch with your local Coats office.



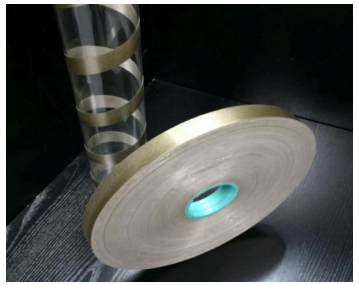
MUSCOVITE

Fire resistance up to 950°C

PRODUCT RANGE

Product	Thickness mm	Total Substance g/m²	Mica Content g/m²	Glass Content g/m²	Bond Content g/m²	Dielectric Strength Kv/layer	Tensile Strength N/cm
MCT 100-M	0.100±0.015	135±12	80±5	32±3	23±4	>1.20	>100
MCT 120-M	0.120±0.015	158±12	100±5	32±3	26±6	>1.50	>120
MCT 140-M	0.140±0.015	181±12	120±5	32±3	29±4	>1.80	>120

The above product range references muscovite mica tapes. For additional mica tape options, please get in touch with your local Coats office.



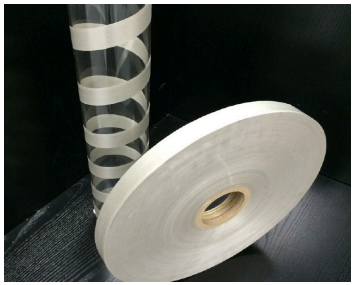
Coats Gotex MCT

SYNTHETIC
Fire resistance up to 1100ºC

PRODUCT RANGE

Product	Thickness mm	Total Substance g/m²	Mica Content g/m²	Glass Content g/m²	Bond Content g/m²	Dielectric Strength Kv/layer	Tensile Strength N/cm
MCT 100-S	0.100±0.015	125±12	80±5	32±3	13±4	>1.00	>100
MCT 110-S	0.110±0.015	148±12	100±5	32±3	16±4	>1.20	>120
MCT 125-S	0.125±0.015	173±12	120±5	32±3	21±4	>1.40	>120
MCT 140-S	0.140±0.015	195±12	140±5	32±3	23±4	>1.40	>120

The above product range references synthetic mica tapes. For additional mica tape options, please get in touch with your local Coats office.



Coats Gotex MCT

MCT-PP SERIES

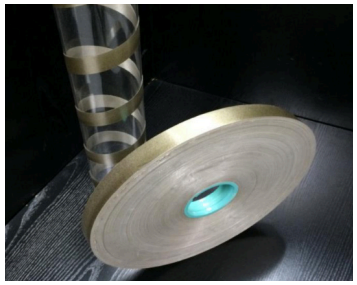
Mica tapes used for electrical wires & cables can be classified into several categories according to their specific composition, which include single-side-glass phlogopite and synthetic mica tapes, double-side-glass phlogopite and synthetic mica tapes, single-side-glass synthetic mica tapes, double-side-glass synthetic mica tapes, triple-ingredients-combined mica tapes (natural mica paper/ synthetic mica paper, glass fiber fabric, film), and composite mica tapes.

Different ingredients have different functions. The layer of mica has the fire-resistant properties, while the layers of glass fiber fabric and film act as packing materials to meet the tensile strength requirement.

PRODUCT RANGE

Product	Thickness mm	Total Substance g/m²	Mica Content g/m²	Glass Content g/m²	PP Film Content g/m²	Bond Content g/m²	Dielectric Strength Kv/layer	Tensile Strength N/cm
MCT 120-PP	0.120±0.015	160±15	80±5	23±2	40±5	17±3	>3.00	>120
MCT 140-PP	0.140±0.015	205±15	120±5	25±2	40±5	20±3	>3.00	>120
MCT 160-PP	0.160±0.015	230±15	140±5	25±2	40±5	25±3	>3.00	>120

The above product range references MCT-PP Series mica tapes. For additional mica tape options, please get in touch with your local Coats office.



Coats Gotex MCT

MCT-PE SERIES

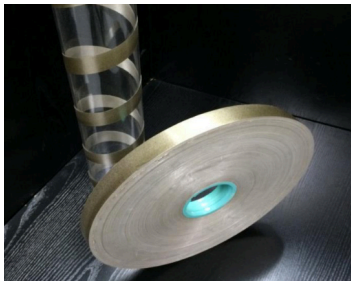
Mica tapes used for electrical wires & cables can be classified into several categories according to their specific composition, which include a band-shape electrical and thermal insulating material: phlogopite mica paper banded to supporting materials of PE film, impregnated with high temperature resistant silicone resin.

Different ingredients have different functions. The layer of mica has the fire-resistant properties, while the layers of glass fiber fabric and film act as packing materials to meet the tensile strength requirement.

PRODUCT RANGE

Product	Thickness mm	Total Substance g/m²	Mica Content g/m²	PE Content g/m²	Bond Content g/m²	Dielectric Strength Kv/layer	Tensile Strength N/cm
MCT 120-PE	0.120±0.015	161±11	120±5	25±3	16±3	>5.00	>110
MCT 140-PE	0.140±0.015	205±14	160±8	25±3	20±3	>5.50	>120

The above product range references MCT-PE Series mica tapes. For additional mica tape options, please get in touch with your local Coats office.



Coats Gotex MCT

EXPERT REAL WORLD SUPPORT

The final cost of any product also includes hidden costs, fuelled by the methods and tools applied to it. Our experts know exactly how to reduce those costs, save time and increase productivity.

One to One Visits

There's no need to come to us, our experts will travel to your site. In person, online or via the phone, our trained consultants deal with the kind of issues any busy factory may face, providing a solution for today and a blueprint for future efficiency.

Training and Presentations

From product selection to solutions for common production issues, we take the learning gathered through years of hands on experience and present it in the form of high impact seminars, workshops and presentations.

Innovation Hub

Collaborate directly with expert R&D technologists at our Innovation Hub to create pioneering and tailored solutions for products ranging from Performance Materials to Apparel and Footwear. Equipped with state-of-the-art technology, we quickly turn ideas into prototype designs ready for manufacturing.

To drive your hidden costs down, talk to Coats. From product audits in pre-production to the latest technical bulletins, we'll provide support that achieves measurable results.

For more information, talk to your Coats representative today or visit **www.coats.com/gotex-mct**