3M[™] Insulating and Conductive Tapes *continued*

ProductProductionFeaturesOperating TacknessUperating to trainedUperating to trained	yency Approva
Composite Film Tape 4.4 Berthin Tape Economical, general purpose composite film tape. This purporters. For preared purpose installation, anchoring, and banding in motors and transformers induced and transformers induced and transformers induced and transformers. 0.14 mm 130°C 5500 V >1 x 10° MΩ 7 k9/m 71 N/100 mm 100 mm 44D-A BM ⁺⁺ Reinforced Polyester film Electrical Tape 44D-A Aversion of 44 Tape with hvice the technical general purpose induced and transformers 0.30 mm 130°C 6000 V >1 x 10° MΩ 7 k9/m 71 N/100 mm 100 mm 100 mm 100°C 100 mm 100°C >1 x 10° MΩ 7 k9/m 38 N/100 mm 100 mm 100°C 92 BM ⁺⁺ Polyimide Film Electrical Tape Silcone adhesive and 0.025 mm 0.08 mm 180°C Yes 7500 V >1 x 10° MΩ 5.3 k1/m 28 N/100 mm 100 mm 100°C Yes 7500 V >1 x 10° MΩ 5.3 k1/m 28 N/100 mm 100 mm 100°C Yes 7500 V >1 x 10° MΩ 5.3 k1/m 28 N/100 mm 100°C Yes 9500 V >1 x 10° MΩ 5.3 k1/m 32 N/100 mm 100°C Yes 9500 V >1 x 10° MΩ 5.5 k1/m 32 N/100 mm 100°C	✓ ✓
4.4 $3M^{m}$ Polyester Film Electrical Tape 4.4Economical, general purpose composite film tape. This in muchar-resistant tape is topic metalism, anchoring, and branding in motors and transformers0.14 mm130°C $5500V$ $>1 x 10^{s}$ MD $7 k N/m$ $71 N/100 mm$ 21 4.4D-A $3M^{m}$ Peinforced Polyester Film Electrical Tape 4.4A version of 44 Tape with twice delectric strength0.30 mm 130^{oc} $6000V$ $>1 x 10^{s}$ MD $7 k N/m$ $38 N/100 mm$ 21 4.4D-A $3M^{m}$ Peinforced Polyester Film Electrical Tape 4.4A version of 44 Tape with twice delectric strength $0.30 mm$ 130^{oc} $6000V$ $>1 x 10^{s}$ MD $7 k N/m$ $38 N/100 mm$ 21 92 $3M^{m}$ Polyimide Film Electrical Tape 9.2Silicone adhesive and 0.025 mm film. High temperature, puncture resistant, functione, fame student tape student to bing temperature. Subjected to high temperature colis, capacitors that are subjected to high temperature colis, capacitors and wire harmesses uLS 10 flame functione adhesive, for use on high temperature colis, capacitors and wire harmesses ULS 10 flame retarciant 180^{oc} Yes $9500V$ $>1 x 10^{s}$ MD $5.5 k N/m$ $32 N/100 mm$ 61 $3M^{m}$ PTFE Film Electrical Tape 61Tarstacent, flow for the retarciant and wire harmesses when fag teleperature colis, capacitors and wire harmesses when fag teleperature colis, capacitors and wire harmesses when fag te	
443M" Polyester Filmcomposite fin tape. This parture restant tape is tough and contornable with excellent electrical properties. For general purpose insultato, and nonling, and handing in motors and transformes0.14 mm130°C5500 V>1 x 10° MD7 kN/m71 N/100 mm.44D ANM" Reinforced Polyester Film Electrical Tape 440.A version of 41 Tape with twice the backing thickness for greater and length thickness for greater0.30 mm130°C6000 V>1 x 10° MD7 kN/m38 N/100 mm.923M" Polyimide FilmA version of 41 Tape with twice the backing thickness for greater resistant, printable, flam eretardant Stable in colls handenses tape folds0.08 mm180°CYes7500 V>1 x 10° MD5.3 kW28 N/100 mm.923M" Polyimide FilmSilicone adhesive and 0.025 mm film. High temperature, purchar resistant, printable, flam eretardant stable in colls harnesses and capacitors that are subjected to high0.08 mm180°CYes7500 V>1 x 10° MD5.3 kW28 N/100 mm.603M" PTFE Film Electrical TapeTanslucent, thicker (0.127 mm) retardant0.10 mm180°CYes9500 V>1 x 10° MD3.5 kW38 N/100 mm.613M" PTFE Film Electrical Tape 61Tanslucent, thicker (0.127 mm) retardant0.18 mm180°CYes15000 V>1 x 10° MD7.9 kW38 N/100 mm.6133M" PTFE Film Electrical Tape 63Tanslucent, 0.05 mm PTFE the due than temperature colls, capacitors are required und	
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92 $3M^{"}$ Polyimide Film Electrical Tape 92Silicone adhesive and 0.025 mm film. High temperature, puncture resistant, printable, filme retardant. State in coils, harmesses and capacitors that are subjected to high temperatures0.08 mm 180° CYes 7500 V>1 x 10^{e} MΩ 5.3 kN/m 28 N/100 mm 28 N/100 mm PTEF Film Electrical Tape 60 $3M^{"'}$ PTFE Film Electrical Tape 60Translucent, 0.05 mm PTFE film tape with silicone adhesive, For use on high temperature coils, capacitors and wire harnesses. UL510 filame retardant 0.10 mm 180° CYes 9500 V>1 x 10^{e} MΩ 3.5 kN/m 28 N/100 mm 28 61 $3M^{"'}$ PTFE Film Electrical Tape 61Translucent, thicker (0.127 mm) PTFE film appearture coils, capacitors and wire harnesses where high temperature coils, capacitors and wire harnesses where high temperature coils, capacitors and wire harnesses. For use where chemical properties are more important than temperature coils, capacitors and wire harnesses. For use where chemical properties are more important than temperature. 0.09 mm 155° CYes 9500 V $>1 x 10^{e}$ MΩ 3.5 kN/m 38 N/100 mm $=$	\checkmark
923M" Polyimide Film Electrical Tape 92film. High temperature, puncture resistant, printable, fiame retardant, Stable in coils, hamesses and capacitors that are subjected to high temperatures.180°CYes7500 V>1 x 10° MQ5.3 kN/m28 N/100 mm4 PTFE Film Electrical Tape 603M" PTFE Film Electrical Tape 60Translucent, 0.05 mm PTFE film tape with silicone adhesive. For use on high temperature coils, capacitors and wire harnesses. UL510 filame retardant0.10 mm180°CYes9500 V>1 x 10° MQ3.5 kN/m32 N/100 mm4613M" PTFE Film Electrical Tape 60Translucent, 0.05 mm PTFE film tape with silicone adhesive. For use on high temperature coils, capacitors and wire harnesses. UL510 filame retardant180°CYes9500 V>1 x 10° MQ3.5 kN/m32 N/100 mm4613M" PTFE Film Electrical Tape 61Translucent, thicker (0.127 mm) PTFE film tape with silicone adhesive. For use on high temperature coils, capacitors and wire harnesses where high dielectric and breaking strength are required. UL510 filame retardant180°CYes15000 V>1 x 10° MQ7.9 kN/m38 N/100 mm4633M"" PTFE Film Electrical Tape 63Translucent, 0.05 mm PTFE film tage 610.09 mm155°CYes9500 V>1 x 10° MQ3.5 kN/m38 N/100 mm4	
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60SM [™] PTFE Film Electrical Tape 60with silicone adhesive. For use on high temperature coils, capacitors and wire harnesses. UL510 filame retardant0.10 mm180°CYes9500 V>1 x 10° MΩ3.5 kN/m32 N/100 mm32613M [™] PTFE Film Electrical Tape 61Translucent, thicker (0.127 mm) PTFE film tape with silicone adhesive. For use on high temperature coils, capacitors and wire harnesses where high dielectric and breaking strength are required. UL510 filame retardant180°CYes15000 V>1 x 10° MΩ7.9 kN/m38 N/100 mm5633M [™] PTFE Film Electrical Tape 63Translucent, 0.05 mm PTFE film tape with solvent resistant capacitors and wire harnesses. For use where chemical properties are more important than temperature0.09 mm155°CYes9500 V>1 x 10° MΩ3.5 kN/m38 N/100 mm5	
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633M [™] PTFE Film Electrical Tape 63film tape with solvent resistant acrylic adhesive. For use on coils, capacitors and wire harnesses. For use where chemical properties are more important than temperature0.09 mm155°CYes9500 V>1 x 10° MΩ3.5 kN/m38 N/100 mm	~
resistance	~
EMI Shielding Tapes	
11703M [™] Aluminium Foil Tape with Conductive Adhesive 1170Conductive acrylic adhesive, 0.05 mm aluminium foil0.08 mmYes3.5 kN/m0.01 Ω38 N/100 mm	~
11813M [™] Copper Foil Tape with Conductive Adhesive 1181Conductive acrylic adhesive, 0.04 mm copper foil0.07 mmYes4.4 kN/m0.005 Ω38 N/100 mm	✓
11823M [™] Copper Foil Tape with Conductive Adhesive on both sides 1182Conductive acrylic adhesive on both sides, 0.04 mm copper foil0.09 mmYes4.4 kN/m0.01 Ω38 N/100 mm	~
11943M [™] Copper Foil Tape with Nonconductive Adhesive 0.07 mm copper foilNonconductive adhesive, 0.07 mm copper foil0.08 mmYes4.4 kN/mn/a51 N/100 mm	~
12453M™ Embossed Copper Foil Tape 1245Conductive acrylic adhesive, embossed 0.04 mm copper foil0.10 mmYes4.4 kN/m0.001 Ω38 N/100 mm	

