

FULLY CURED POLYESTER BONDED FILM-FACED TAPES & WRAPPERS*

The polyester bonded Isomica™ tapes are offered in several different constructions designed to meet the individual requirements of the user in AC or DC motors and generators. #64213 and #64217 tapes are used extensively for ground wall insulation in formwound coils up to 6.9 kV. They are also used for lead insulation and as layer and turn insulation in dry-type transformers.

These soft tapes are an ideal solution for making flexible nose sections for coils while using Samicapor™ VPI tapes or Samicatherm™ resin-rich tapes in the ground wall.

#64206 and #64303 are excellent cell wrappers for motor coils where #64213 tape is used to tape the end leads. #64217 tape is used much like #64213 tape where a slight increase in mica content is desirable.

PRODUCT NUMBER	NOMINAL THICKNESS (IN.)	POLYESTER FILM (IN.)	SAMICA® MICA PAPER (IN.)	WOVEN GLASS (IN.)	POLYESTER FILM (IN.)	RESIN %
64206	0.0075	0.00025	0.0035	0.0021 (Scrim)	0.00025	22
64213	0.006	0.00025	0.002	0.0021 (Scrim)	0.00025	22
64217	0.0065	0.00025	0.0025	0.0021 (Scrim)	0.00025	22
64300	0.008	0.0005	0.005	—	0.0005	18
64303	0.0065	0.0005	0.004	—	0.0005	20
64100	0.009	—	0.006	0.002	—	20
65300	0.0045	0.0018 (Polyimide)	0.002	—	—	16

CONDUCTOR TAPES WITH BONDABLE FILMS*

These film-faced tapes provide superb corona protection at the highest point of electrical stress in a coil design. They may also be applied as turn insulation over enamel-coated conductors depending upon the severity of the application.

PRODUCT NUMBER	NOMINAL THICKNESS (IN.)	POLYESTER FILM (IN.)	SAMICA® MICA PAPER (IN.)	POLYESTER FILM (IN.)	RESIN %
4901	0.0036	0.0012-PET	0.002	—	6
4902	0.0043	0.0012-PET	0.002	0.0006-PET	12
4903	0.0034	0.001	0.002	0.0005	14
4904	0.0045	0.001	0.002	0.0005	14

*Typical product properties.