

Self Amalgamating Insulation and Semi-Conductive Tapes

Barnier B40: is a self fusing semi conductive E.P.R. tape which is printed with a caution advice on both the liner and on the tape to distinguish the B40 from other insulating tapes.

B40 is used for the reconstituting of the semi-conductive screens on MV and HV cable joints and terminations.

Barnier B50: is a self fusing insulating E.P.R. tape with high dielectric strength.

B50 self fusing insulating tape is used for the reconstituting of the cable insulation on MV and HV cable joints and terminations.

TECHNICAL CHARACTERISTICS B40 SEMI CONDUCTIVE TAPE		
	TYPICAL VALUE	TEST METHOD
Nominal thickness	0,75mm	UTE C-33011
Tensile strength	0.8Mpa	UTE C-33011
Elongation at break	> 500%	UTE C-33011
Self-amalgamating properties	< 5 turns	UTE C-33011
Overload temperature	130°C	
Volume resistivity	700 cm	UTE C-33011
Water absorption	90°C	ASTM D 570
Thermal class		

TECHNICAL CHARACTERISTICS B50 EPR HV INSULATING TAPE		
	TYPICAL VALUE	TEST METHOD
Nominal thickness	0.75mm	UTE C-33011
Tensile strength	1.7 Mpa	UTE C-33011
Elongation at break	> 500%	UTE C-33011
Self-amalgamating properties	2.5 turns	UTE C-33011
Dielectric strength	40 kV/mm	
Volume resistivity @ 23°C	10 ¹⁶ cm	UTE C-33011
Water absorption	< 0.2%	ASTM D 570
Power factor @ 23°C	< 80.10 ⁻⁴	ASTM D 570
Thermal class	90°C	
Overload temperature	130°C	

Setting the Standards in Cable Jointing