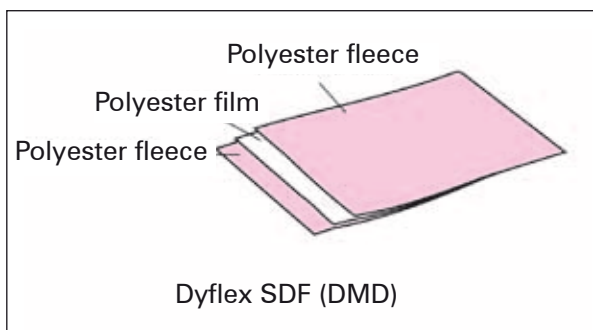


POLYESTER FLEXIBLE LAMINATES

Type DYFLEX SDF





Description

DyFlex SDF is a three plies laminate composed of two layers of calendered polyester fleece coupled with a polyester film through a special adhesive. The coupling of polyester film with a non-woven gives both technical as well as economic advantages. The film guarantees outstanding electrical and mechanical properties whereas the non-woven layers, saturated with a special impregnation resin (colored or white), improve the overall thermic performance of the laminate.

Properties

DyFlex® SDF is a flexible material for systems in thermal class F 155°C , combining excellent characteristics, such as high dielectric strength, high thermic resistance and superior mechanical properties.

Applications

DyFlex SDF can be used as slot liner, slot closure in electric motors. It is also widely used as inter-winding insulation in transformers or in other electric machines.

Technical data

Pink - Class F : 155° C continuous service

Total thickness <i>mm</i>	Film thickness <i>μ</i>	Yield <i>m²/kg</i>	Weight <i>g/m²</i>	Tensile strenght <i>N/cm</i>	Elongation <i>%</i>	Breakdown voltage <i>kV</i>
0,18	75	6,667	200	110	20	7
0,23	125	3,846	270	200	20	10
0,30	190	2,857	360	300	20	15
0,35	250	2,326	435	400	20	17