

POLIFLEX 180

Characteristics	
Thermal class (temperature index)	H (180 °C)
Chemical composition	
Base resins	Polyesterimide
Overcoat	-
Bonding coat	-
Reference to the International Standards	IEC 60317-23 NEMA MW 1000 spec. MW 77-C CEI 55-2/23
UL – approval	-
Diameters range	
grade 1 (L)	Ø 0,030 ÷ 0,280 mm
grade 2 (2L)	Ø 0,050 ÷ 0,100 mm
Thermal endurance at 20.000 hours according to AIEE 57	180 °C
Tangent cross point to the tg δ curve	180 °C
Cut-through temperature	
Ø 0,050 mm	300 ÷ 310 °C
Ø 0,500 mm	310 ÷ 320 °C
Heat shock to IEC standard	
Ø 0,300 mm	230 ÷ 250 °C
Ø 0,500 mm	220 ÷ 250 °C
Significant properties	<ul style="list-style-type: none"> • Good mechanical resistance • High thermal resistance (180 °C) Self-solderable wire: Ø 0,050 mm at 450 ÷ 470 °C in 2" Ø 0,280 mm at 480 ÷ 500 °C in 2" <ul style="list-style-type: none"> • Low percentage of extraction with perchloroethylene and chloride solvents in general • High resistance to solvents
Recommended applications	Motors, transformers, electromagnetic coils and in general electrical assemblies working at high temperatures up to a maximum of 180 °C