

## SALFLEX 180

<b>Characteristics</b>	
<b>Thermal class (temperature index)</b>	H (180 °C)
<b>Chemical composition</b>	
<b>Base resins</b>	Modified polyurethanes
<b>Overcoat</b>	-
<b>Bonding coat</b>	-
<b>Reference to the International Standards</b>	IEC 60317-51 NEMA MW 1000 spec. MW 82-C CEI 55-2/51
<b>UL – approval</b>	File E 60641
<b>Diameters range</b>	
<b>grade 1 (L)</b>	Ø 0,020 ÷ 1,600 mm
<b>grade 2 (2L)</b>	Ø 0,050 ÷ 1,000 mm
<b>Thermal endurance at 20.000 hours according to AIEE 57</b>	180 °C
<b>Tangent cross point to the tg δ curve</b>	180 °C
<b>Cut-through temperature</b>	
<b>Ø 0,050 mm</b>	Higher than 240 °C
<b>Ø 0,500 mm</b>	Higher than 260 °C
<b>Heat shock to IEC standard</b>	
<b>Ø 0,300 mm</b>	230 ÷ 240 °C
<b>Ø 0,500 mm</b>	220 ÷ 230 °C
<b>Significant properties</b>	<ul style="list-style-type: none"> <li>• Directly solderable without any prior mechanical stripping of the enamel at the temperature: Ø 0,050 mm at 350 ÷ 370 °C in 1" Ø 0,500 mm at 380 ÷ 400 °C in 2"</li> <li>• Due to a good surface smoothness and copper softness is excellent for fine wire windings requiring high filling factor</li> <li>• Good thermal resistance (180 °C)</li> <li>• Good mechanical resistance</li> <li>• Excellent resistance to sizing of epoxied and polyamide resins</li> </ul>
<b>Recommended applications</b>	It is especially suitable for applications requiring automated soldering systems: small transformers, small motors, measuring equipment, impregnated and unimpregnated coils operating at a max. temperature of 180 °C