

Technical data sheet

ESW A flexible sheet heating element for room heating

Carrier foil:	one layer PET 36 µm, one layer LLDPE 40 µm glow wire test: IEC 60695-2-11 850°C
Heating conductor:	stanniol: 50% Sn - 0,9% Sb – 49,1% Pb melting point: 183°C – 220°C (solidus = 183°C, liquidus = 220°C)
Contact tapes:	copper tape Se-Cu, tin-plated by L-Sn
Edge insulation:	polyester-film 3-layer, band thickness 0,080 mm adhesive: acrylate peel adhesion: 3,5 N/cm (EN 60454) elongation: 80-120% tensile strength: 88 N/cm impact resistance: 7 KV/mm flame retardance specifications: IEC 60695-11-10 V0
Cover insulation:	PVC insulation tape for electrical devices, thickness 0,25m adhesive: acrylate peel adhesion: =1,5N/cm (EN60454) elongation: = 125% temperature range -10 to +105°C impact resistance: IEC 60243-1, 21 KV/mm flame retardance specifications: IEC 60695-11-10 V0
Terminal fitting :	polyamide with 30% fiber glass glow wire test: IEC 60695 2-11 850°C impact resistance: IEC 60243-1, 21KV/mm flame retardance specifications: IEC 60695-11-10 V0
Connection terminals :	polyamide 66-HWL contacts : copper tin-plated glow wire test : IEC 60695-2-11 850°C impact resistance : 4 KV/mm flame retardance specifications: IEC 60695-11-10 V0 rated current : 32A