



Heat resistance classes

According to VDE 0530

Class	Insulating material	Impregnating agent	Max. permissible continuous temperature	Insulation & jacket material
Y	Cotton, artificial and natural silk, polyamide fiber, paper, polyvinyl chloride (PVC), polyethylene (PE), vulk. natural rubber	---	90 °C	PVC, PE, CSM, HDPE, LDPE, PA
A	Cotton, artificial and natural silk, polyamide, paper, lacquer-treated textiles, polyester resins	Asphalt varnishes, synthetic resin varnishes, insulating oil and synthetic dielectric fluids	105 °C	TPE
E	special wire enamels, special plastic films, press compounds with cellulose, fillers, paper and cotton laminates	Synthetic resin coatings, polyester resins, each with a permissible continuous temperature of ³ 120 °C	120 °C	EVM, PP
B	Glass fiber, mica products, special plastic films, pressed parts with mineral fillers	as under E, but ³ 130 °C Epoxy resins	130 °C	PETP, STP
F	Glass fiber, mica products, aromat. Polyamide, lacquer-treated glass fiber textiles, lacquer-treated asbestos	Resins with max. permissible continuous temperature of ³ 155 °C	155 °C	ETFE
H	Glass fiber, mica products, aromat. Polyamide, silicone rubber, polyimide film, PTFE	Silicone resins with max. permissible continuous temperature of ³ 180 °C	180 °C	Silicone, PTFE FEP
C	Mica, porcelain, glass, quartz and similar refractory materials	as under H, but ³ 225 °C	About us 180 °C	PTFE, PFA, PI/F, Glass silk, FEP, mica, FPM, ceramics