

**Maximum temperatures for common materials used in luminaires comply with IEC 60598 standard**

Part	Maximum temperature C°	Abbr.
<b>Insulation of wiring (internal and external), supplied with luminaire</b>		
Glassfibre silicone-varnish impregnated	200	
Polytetrafluoroethylene	250	PTFE
Silicone rubber (not stressed)	200	
Silicone rubber (compressive stress only)	170	
Ordinary polyvinyl chloride	90	PVC
Heat-resisting polyvinyl chloride	105	PVC
Ethylene vinyl acetate	140	EVA
<b>Insulation of fixed wiring (as a fixed part of the installation not supplied with the luminaire)</b>		
Unsleeved	90	
Appropriate sleeving supplied with the luminaire	120	
<b>Thermoplastics</b>		
Acrylonitrile-butadiene-styrene	95	ABS
Cellulose acetate butyrate	95	CAB
Polymethyl methacrylate	90	PMMA
Polystyrene	75	PS
Polypropylene	100	PP
Polycarbonate	130	PC
Polyvinyl chloride(where NOT used for electrical insulation)	100	PVC
Polyamide	120	PA
<b>Thermosetting plastics</b>		
Mineral-filled phenol-formaldehyde	165	PF
Cellulose-filled phenol-formaldehyde	140	PF
Urea-formaldehyde	90	UF
Melamine	100	
Glassfibre-reinforced polyester	130	GRP
<b>Other materials</b>		
Resin-bonded paper/fabric	125	
Silicone rubber (where NOT used for electrical insulation)	230	
Rubber (where NOT used for electrical insulation)	70	
Wood, paper, textiles and the like	90	